

PARTS BOOK
FOR
BROTHER DB2-B757

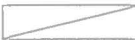


High Speed Lock Stitcher (with Thread Trimmer)

BROTHER INDUSTRIES, LTD.
NAGOYA, JAPAN

From the library of: Superior Sewing Machine & Supply LLC

Notes for using this parts book

1. If the symbol  is found in the "Parts No." column or the "Assembly No." column, refer to the different parts list on page 14.
2. 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..
3. This book was prepared based on information available in March, 1979.
4. Parts are subject to changes in design without prior notice.

Anmerkungen zum Gebrauch dieses Stücklistebuches

1. Dieses Zeichen  in der Spalte "Parts No. (Teilnummer)" oder "Assembly No. (Gerätesatznummer)" verweist auf die Gesonderte Stückliste auf Seite 14.
2. 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.
3. Dieses Buch basiert auf den Informationen vom März, 1979.
4. Modelländerungen sind vorbehalten.

Notes sur l'utilisation de ce manuel de pièces détachées

1. Si le symbole  se trouve dans la colonne "Parts No. (N° de pièce)" ou dans la colonne "Assembly No. (N° jeu de pces)", veuillez vous référer à la liste de pièces annexe page 14.
2. Le symbole  dans la colonne "N° de pièce" signifie que la pièce ne peut être fournie. Si, dans la colonne "N° jeu de pces", il y a un numéro de nomenclature, la pièce peut être commandée comme faisant partie d'un jeu de pièces. Donc, pour toute commande, veuillez spécifier le n° du pièces.
3. Ce manuel a été fait d'après les renseignements valables au mois de Mars, 1979.
4. Les pièces peuvent être sujettes à des modifications sans préavis.

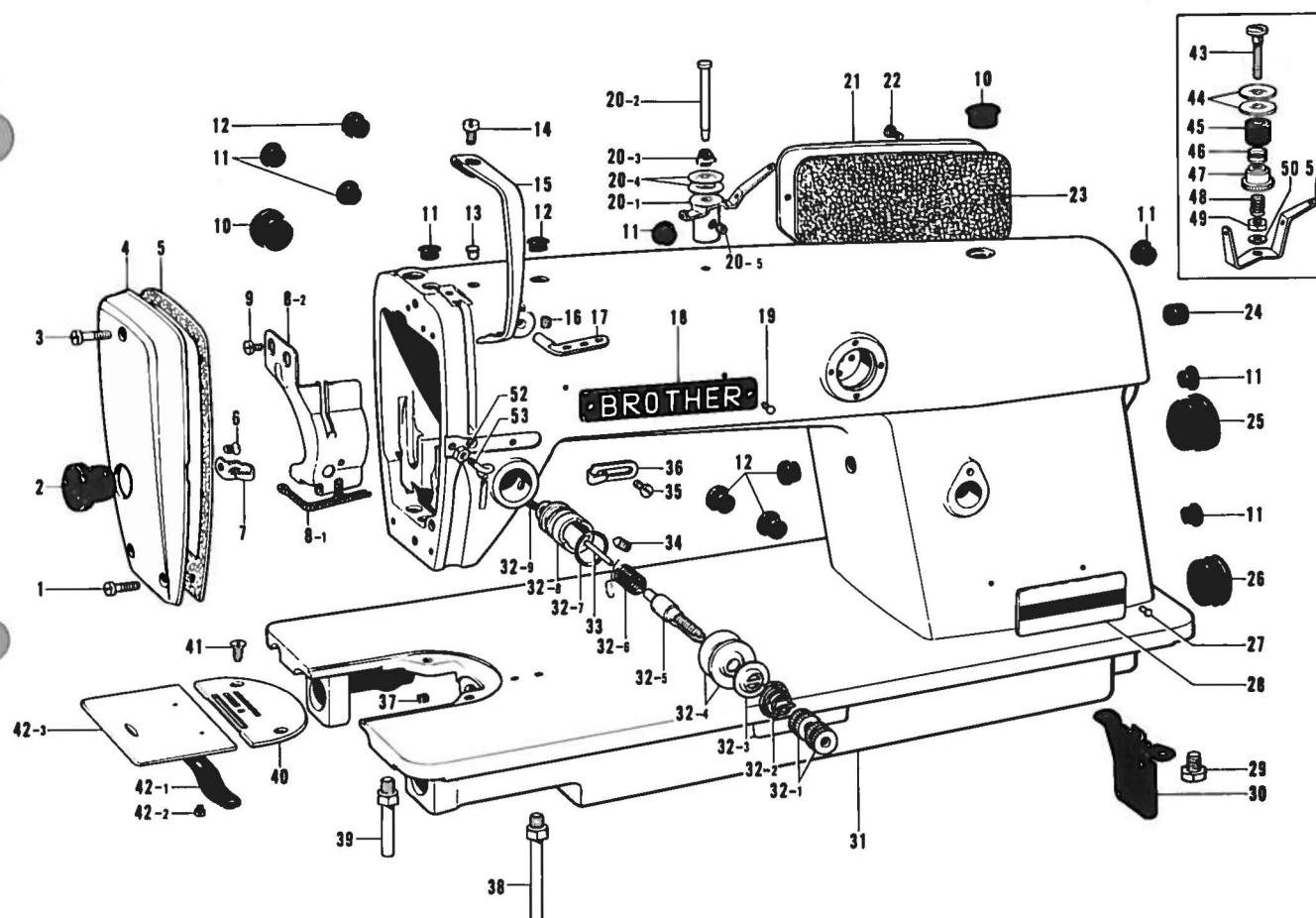
Notas para usar este Libro de Piezas

1. De haber un símbolo  junto al "Parts No. (Número de Pieza)" o en la columna del "Assembly No. (Número de Juego)", habrá que mirar la lista de piezas separada de la página 14.
2. El símbolo , que se encuentra en la columna del "Número de Pieza", quiere decir que no se dispone de dicha pieza sola. Cuando, empero, hay un número en la columna del "Numero de Juego", se podrá ordenar la pieza con todo el juego. Por lo tanto, será mejor hacer el pedido recurriendo al número del juego respectivo.
3. Este libro ha sido compilado basándose en los datos de que se disponía en Marzo de 1979.
4. Las piezas quedan sujetas a cambios de diseño sin aviso previo.

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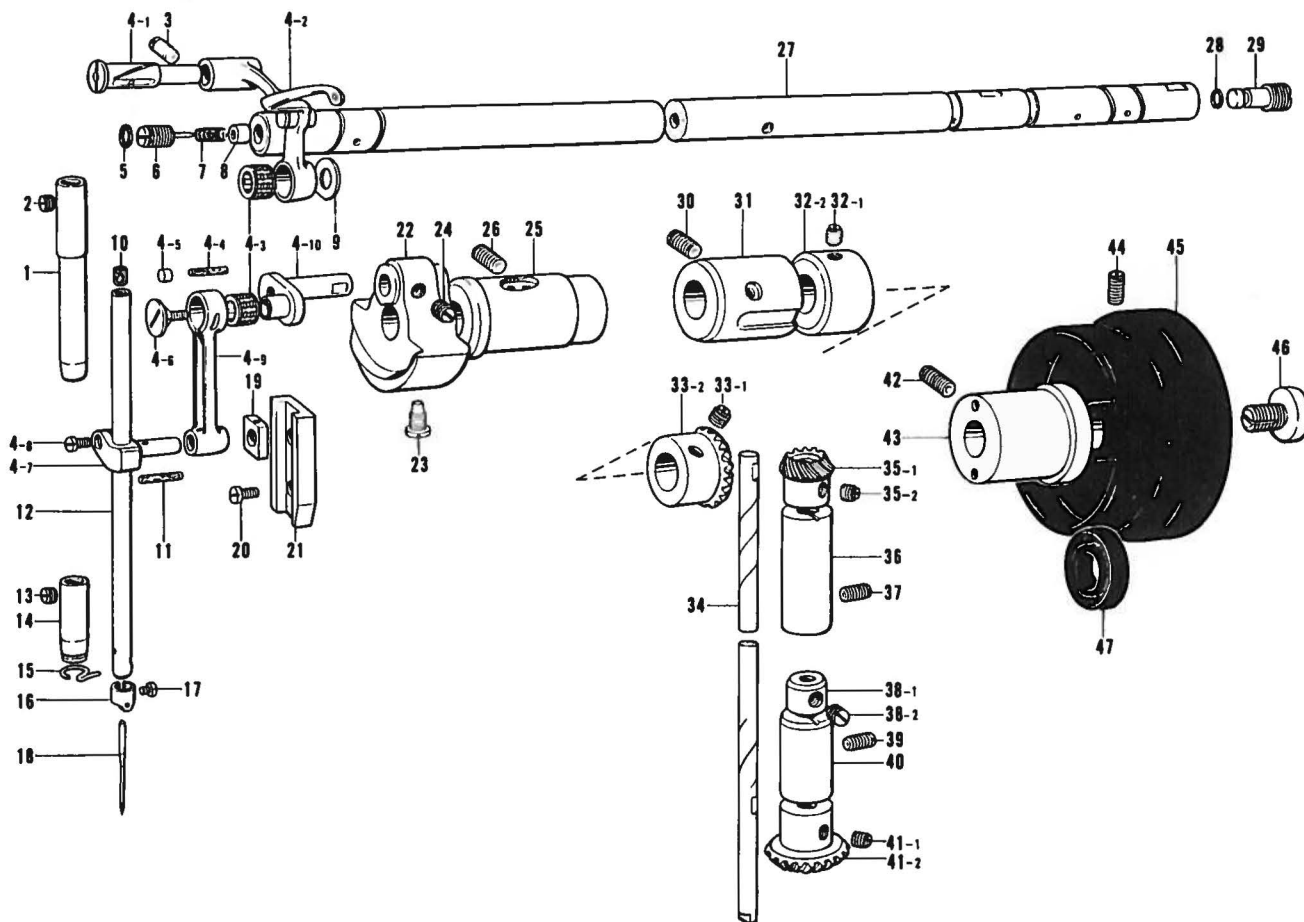
A. Machine Body



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	2	009671-0-13		A-30	Pump Cover	1	118672-0-01	
A-2	Oil Cap	1			A-31	Arm Bed	1		
A-3	Screw	1	009671-8-13		A-32-1	Nut	2	100136-0-01	A-32 Tension Regulator Assembly
A-4	Face Plate	1			A-32-2	Tension Spring	1		
A-5	Packing	1	109195-0-01		A-32-3	Tension Disc Washer	1	100134-0-01	
A-6	Screw	1			A-32-4	Tension Disc	2	145446-0-01	
A-7	Face Plate Thread Guide	1			A-32-5	Tension Stud	1	100398-0-01	
A-8-1	Wick	1	148302-0-01	A-8 Oil Stopper Plate Assembly	A-32-6	Thread Take-up Spring	1		
A-8-2	Oil Stopper Plate	1			A-32-7	Packing	1	114294-0-01	
A-9	Screw	2	009670-5-12		A-32-8	Upper Tension Regulator Bracket	1	144741-0-01	
A-10	Oil Cap	2	104449-0-01		A-32-9	Screw	1	100402-0-04	
A-11	Oil Cap	7	104450-0-01		A-33	Tension Release Pin	1		
A-12	Oil Cap	5	104821-0-01		A-34	Screw	1	103950-0-02	
A-13	Oil Cap	1	111865-0-01		A-35	Screw	1	009670-6-14	
A-14	Screw	1	009680-7-13		A-36	Arm Thread Guide	1	113316-0-01	
A-15	Thread Take-up Cover	1	140885-0-01		A-37	Oil Cap	1		
A-16	Screw	1	151602-0-02		A-38	Bed Leg L	1	104829-1-01	
A-17	Thread Retainer	1	114931-0-01		A-39	Bed Leg S	1	104830-1-01	
A-18	Name Plate BROTHER	1			A-40	Needle Plate	1		
A-19	Screw	2	124918-0-01		A-41	Screw	2	100032-0-03	
A-20-1	Pretension	1		A-20 Pretension Assembly	A-42-1	Slide Plate Spring	1	114561-0-01	A-42 Slide Plate Assembly 180018-0-01
A-20-2	Pretension Stud	1			A-42-2	Screw	2	122771-0-01	
A-20-3	Spring	1	144505-0-00		A-42-3	Slide Plate	1		
A-20-4	Thread Guide Disc	2	144504-0-01		A-43	Pre-Tension Stud	1	153111-0-01	
A-20-5	Screw	1	102716-0-03		A-44	Thread Guide Disc	2	144504-0-01	
A-21	Rear Cover	1			A-45	Pre-Tension Disc Washer	1	146206-0-01	
A-22	Screw	4	009670-8-12		A-46	Pre-Tension Spring	1	146058-0-01	
A-23	Packing	1	118778-0-01		A-47	Pre-Tension Nut	1	146059-0-01	
A-24	Oil Cap	2	104832-0-01		A-48	Spring	1	146060-0-00	
A-25	Oil Cap	1	118675-0-01		A-49	Nut	1	105234-0-01	
A-26	Oil Cap	1	108520-0-01		A-50	Washer	1	025680-2-34	
A-27	Model Plate Pin	2			A-51	Thread Guide Plate	1	146055-0-01	
A-28	Model Plate	1			A-52	Nut	1	021660-1-02	
A-29	Bolt	2	140704-0-01		A-53	Arm Thread Guide L	1	145524-0-01	

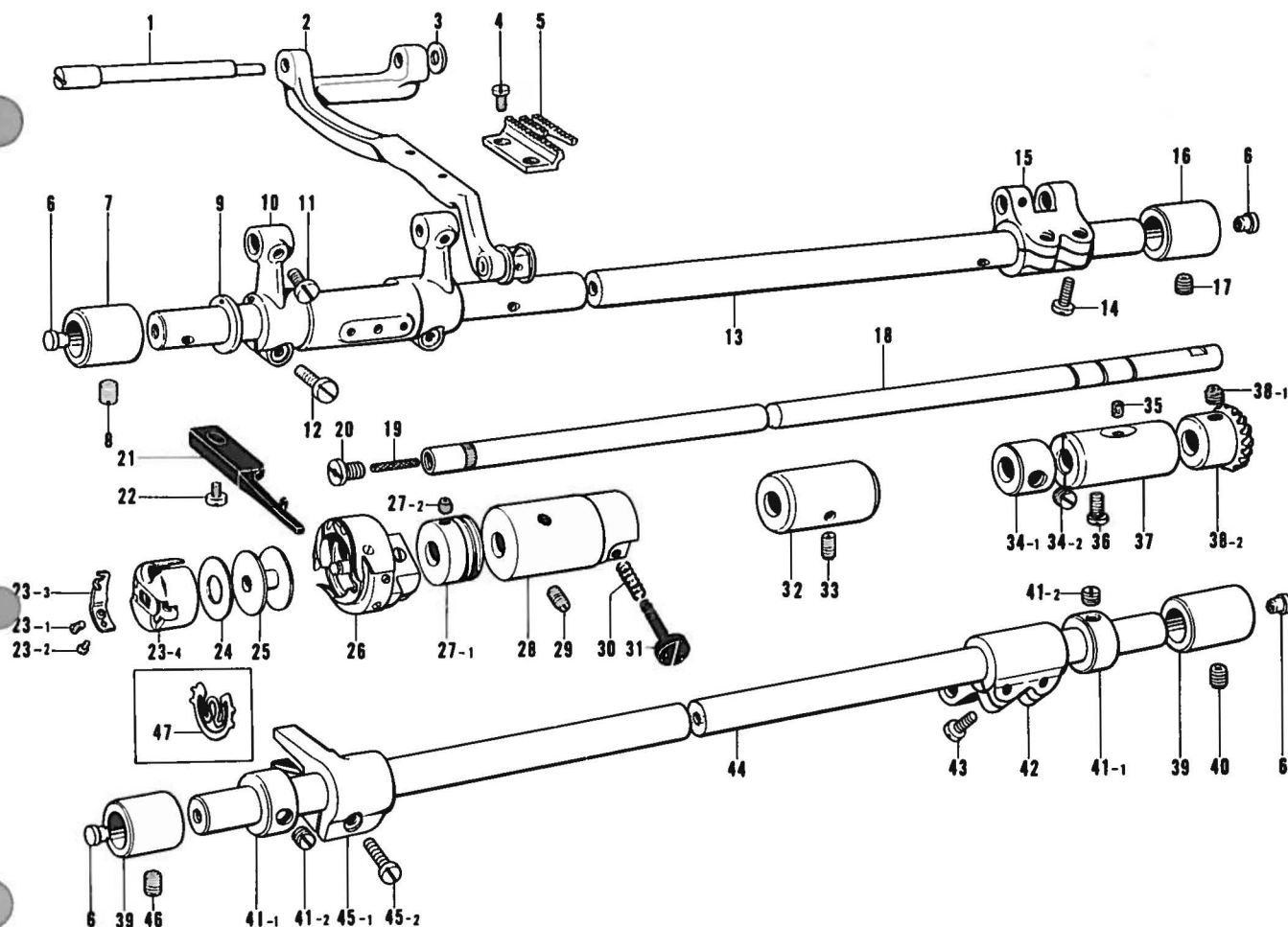
★Parts A-43~A-53 are for -100--200--400 and -500 type specification.

B. Upper Shaft and Needle Bar Mechanism



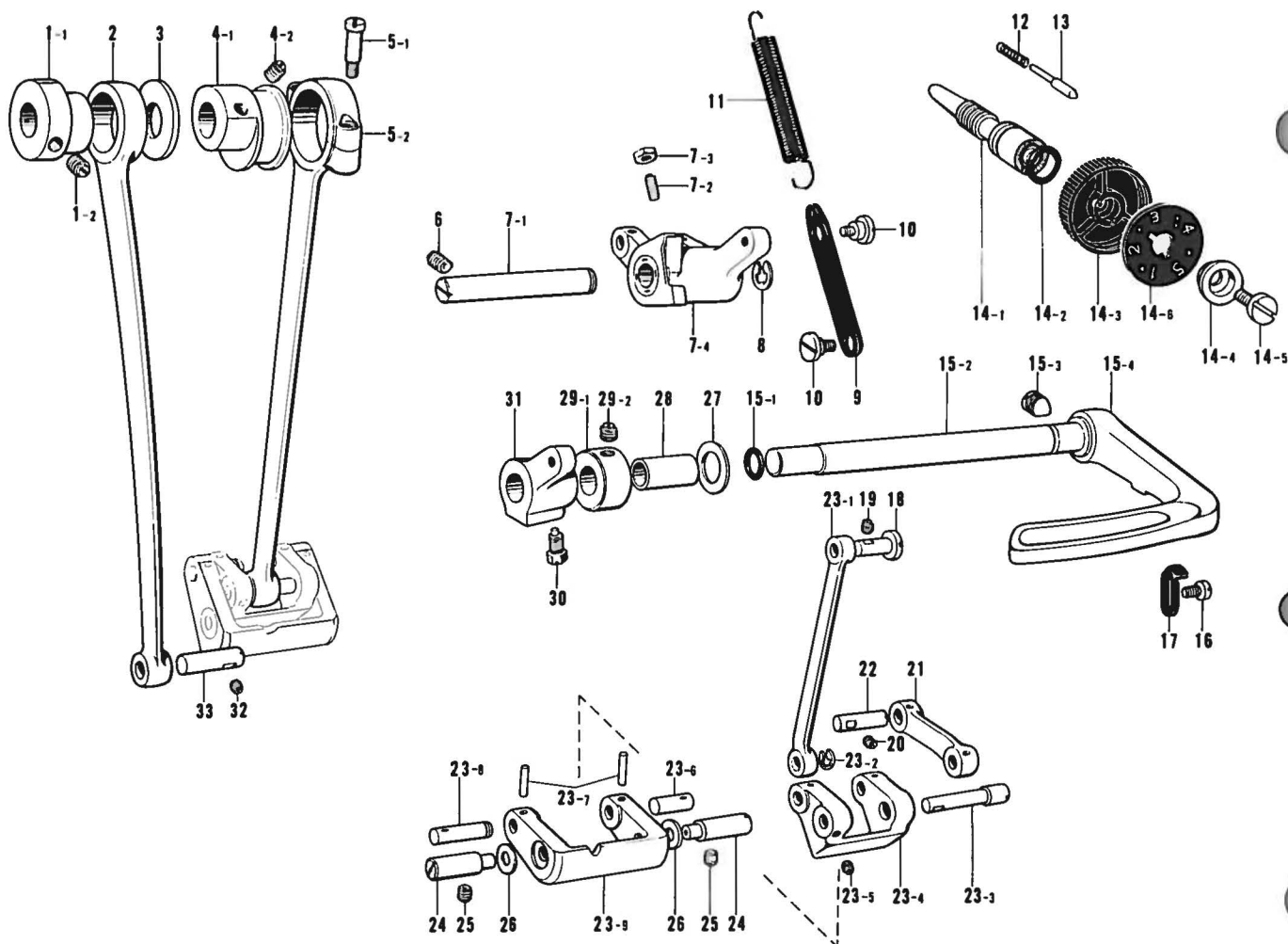
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
B- 1	Needle Bar Bushing Upper	1	117242-0-01		B-28	Packing	1	081002-6-70	
B- 2	Screw	1	100260-0-01		B-29	Oil Screw Right for Upper Shaft	1	104555-0-01	
B- 3	Screw	1	013761-4-10		B-30	Screw	1	013761-4-10	
B- 4- 1	Stud	1	111468-0-01		B-31	Upper Shaft Bushing Inter Mediate	1	140726-0-00	
B- 4- 2	Thread Take-up Lever	1		B-4 Thread Take-up Lever Assembly	B-32-1	Screw	2	151604-0-01	B-32 Collar 181994-0-01
B- 4- 3	Needle Roller Bearing	2			B-32-2	Collar	1		
B- 4- 4	Felt	1	145624-0-00		B-33-1	Screw	2	100251-0-01	B-33 Upper Shaft Gear Assembly 180022-0-01
B- 4- 5	Cap	1			B-33-2	Upper Shaft Gear	1		
B- 4- 6	Screw	1	145465-0-01		B-34	Vertical Shaft	1	144868-0-01	B-35 Vertical Shaft Gear Assembly 180957-0-01
B- 4- 7	Needle Bar Clamp	1	111237-0-01		B-35-1	Vertical Shaft Gear	1		
B- 4- 8	Screw	1	140004-0-01		B-35-2	Screw	2	100251-0-01	
B- 4- 9	Needle Bar Connector	1			B-36	Vertical Shaft Upper Bushing	1	142708-0-00	
B- 4-10	Needle Bar Crank	1			B-37	Screw	1	013760-6-10	
B- 5	Packing	1	118770-0-01		B-38-1	Collar	1		B-38 Collar 118759-0-01
B- 6	Oil Adjusting Screw for Upper Shaft	1	140412-0-01		B-38-2	Screw	2	101706-0-01	
B- 7	Spring	1	116799-0-01		B-39	Screw	1	013761-4-10	
B- 8	Oil Bushing	1	140357-0-01		B-40	Vertical Shaft Lower Bushing	1	142709-0-00	
B- 9	Washer	1	110367-0-01		B-41-1	Screw	3	100251-0-01	B-41 Vertical Shaft Gear Assembly 180959-0-01
B-10	Needle Bar Cap	1	111863-0-01		B-41-2	Vertical Shaft Lower Gear	1		
B-11	Wick	1	108809-0-01		B-42	Screw	1	013760-6-10	
B-12	Needle Bar	1			B-43	Upper Shaft Bushing R	1	146331-0-01	
B-13	Screw	1	100260-0-01		B-44	Screw	2	013761-4-10	
B-14	Needle Bar Bushing Lower	1			B-45	Pulley	1		
B-15	Thread Guide Under	1	100573-0-01		B-46	Screw	1	104478-0-01	
B-16	Needle Bar Thread Guide	1			B-47	Oil Seal	1	101487-0-01	
B-17	Screw	1	140553-0-01						
B-18	Needle	1							
B-19	Needle Bar Guide Slide Block	1	102630-0-01						
B-20	Screw	2	009670-6-12						
B-21	Needle Bar Guide	1	102631-0-01						
B-22	Thread Take-up Crank	1							
B-23	Screw	1	104464-0-01						
B-24	Screw	2	100251-0-01						
B-25	Upper Shaft Bushing Left	1	111459-0-01						
B-26	Screw	1	013761-4-10						
B-27	Upper Shaft	1	118821-0-01						

C. Lower Shaft and Feed Mechanism



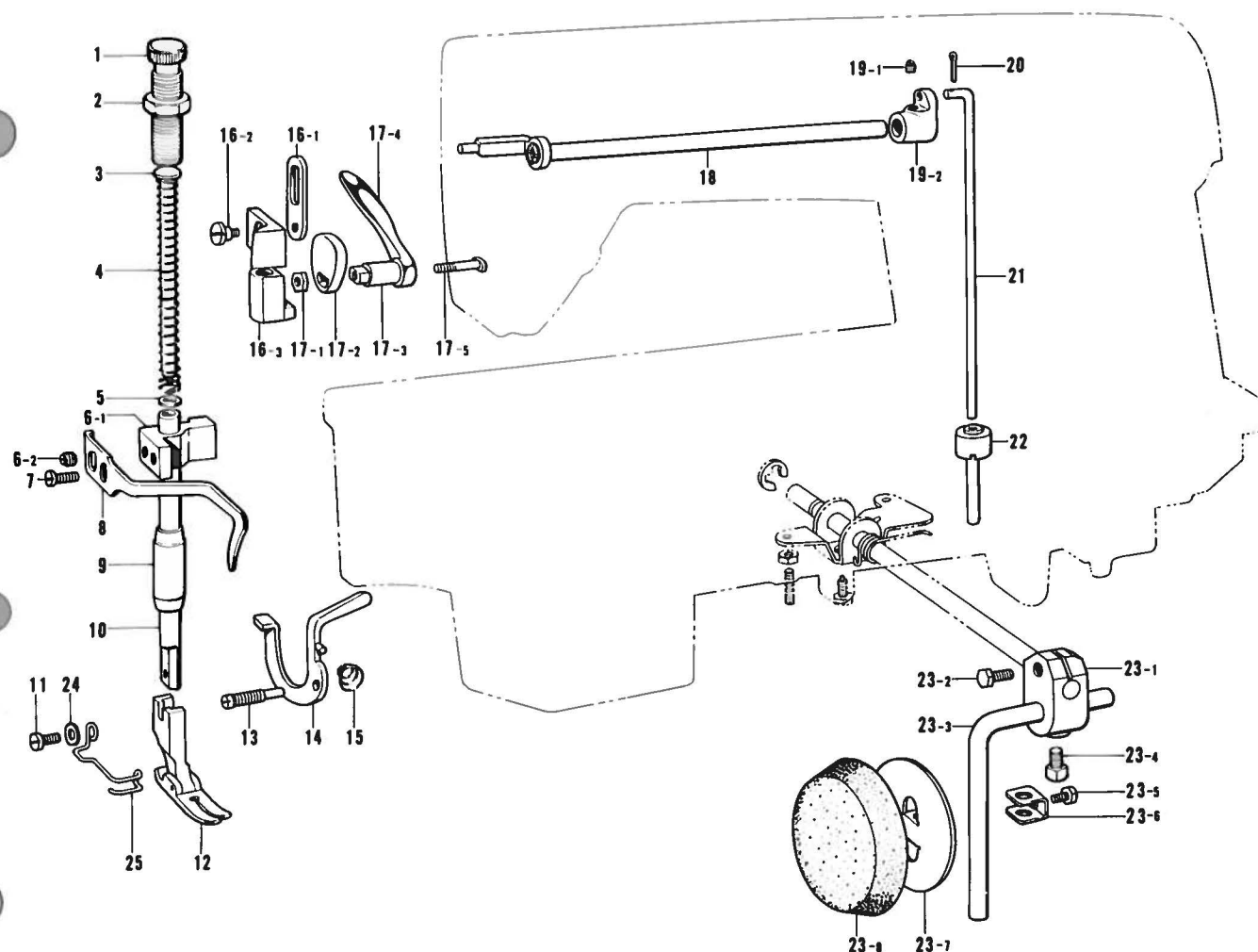
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
C-1	Feed Bar Shaft	1	116917-0-01		C-29	Screw	1	151603-0-02	
C-2	Feed Bed	1	118845-0-01		C-30	Spring	1	116794-0-01	
C-3	Ring	1	115663-0-01		C-31	Screw	1	145534-0-01	
C-4	Screw	2	100080-0-03		C-32	Lower Shaft Bushing Middle	1	118762-0-00	
C-5	Feed Dog	1			C-33	Screw	1	151607-0-01	
C-6	Oil Cap	4	111865-0-01		C-34-1	Collar	1		C-34 Collar 181995-0-01
C-7	Feed Shaft Bushing Small	1	116766-0-01		C-34-2	Screw	2	101706-0-03	
C-8	Screw	1	101706-0-01		C-35	Felt	1	107155-0-01	
C-9	Thrust Ring	1	116920-0-01		C-36	Screw	1	121007-0-01	
C-10	Feed Bar Arm	1	145510-0-00		C-37	Lower Shaft Bushing Right	1	104520-0-00	
C-11	Screw	2	104908-0-01		C-38-1	Screw	2	100251-0-01	C-38 Lower Shaft Gear Assembly 180960-0-01
C-12	Screw	2	009681-2-12		C-38-2	Lower Shaft Gear	1		
C-13	Feed Rock Shaft	1	142573-0-01		C-39	Feed Shaft Bushing Small	2	116766-0-01	
C-14	Screw	2	009711-2-12		C-40	Screw	1	100251-0-01	
C-15	Feed Rock Shaft Arm	1	148286-0-01		C-41-1	Collar	2		C-41 Collar Assembly 180321-0-01
C-16	Feed Shaft Bushing Left	1	116919-0-01		C-41-2	Screw	4	101706-0-01	
C-17	Screw	1	101706-0-01		C-42	Feed Rock Shaft Arm	1	116768-0-01	
C-18	Lower Shaft	1			C-43	Screw	2	009681-2-12	
C-19	Felt	1			C-44	Feed Lifting Rock Shaft	1	142572-0-01	
C-20	Screw	1	109173-0-01		C-45-1	Feed Lifting Arm	1		C-45 Feed Lifting Arm Assembly 180322-0-01
C-21	Bobbin Case Holder Position Bracket	1	140757-0-01		C-45-2	Screw	1	009681-4-12	
C-22	Screw	1			C-46	Screw	1	101706-0-01	
C-23-1	Spring Adjusting Screw	1	181937-0-01	C-23 Bobbin Case Assembly	C-47	Bobbin Presser Spring	1		
C-23-2	Spring Set Screw	1	181938-0-01						
C-23-3	Lower Thread Adjusting Spring	1	181936-0-01						
C-23-4	Bobbin Case	1							
C-24	Bobbin Case Sheet	1							
C-25	Bobbin	1	146290-0-01						
C-26	Rotary Hook Assembly	1							
C-27-1	Oil Stopper	1		C-27 Oil Stopper Assembly					
C-27-2	Screw	2	151601-0-02						
C-28	Lower Shaft Bushing Left	1	118761-0-00						

D. Feed 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	Vertical Feed Eccentric Wheel	1		D-1 Eccentric Wheel 180791-0-01	D-16	Screw	1	009680-7-14	
D- 1-2	Screw	2	151604-0-01		D-17	Reverse Lever Stopper	1	118865-0-01	
D- 2	Vertical Feed Connecting Rod	1	118758-0-01		D-18	Pin	1	118713-0-01	
D- 3	Stopper	1	101482-0-01		D-19	Screw	1	151601-0-02	
D- 4-1	Eccentric Wheel	1		D-4 Eccentric Wheel	D-20	Screw	1	151601-0-02	
D- 4-2	Screw	2	151604-0-01		D-21	Lever Feed Connecting Rod	1	118736-0-01	
D- 5-1	Screw	2	144712-0-01	D-5 Crank Rod 118725-0-01	D-22	Feed Rock Shaft Arm Pin	1	118740-0-01	
D- 5-2	Crank Rod	1			D-23-1	Lever Regulator Connecting Rod	1	118730-0-01	
D- 6	Screw	1	151604-0-01		D-23-2	Stop Ring	1	048040-3-42	
D- 7-1	Feed Controller Shaft	1	118744-0-01	D-7 Feed Controller Assembly 153142-0-01	D-23-3	Stud	1	118737-0-01	
D- 7-2	Screw	1	151607-0-01		D-23-4	Lever Feed Link	1	118729-0-01	
D- 7-3	Nut	1	105234-0-01		D-23-5	Screw	1	151601-0-02	
D- 7-4	Feed Controller	1			D-23-6	Stud Small	1	118732-0-01	
D- 8	Stop Ring	1	048070-3-42		D-23-7	Pin	2	118733-0-01	
D- 9	Connecting Plate	1	118746-0-01		D-23-8	Stud Large	1	118731-0-01	
D-10	Screw	2	112072-0-01		D-23-9	Feed Regulator	1		
D-11	Spring	1			D-24	Feed Regulator Shaft	2	118734-0-01	
D-12	Spring	1	100328-0-01		D-25	Screw	2	151604-0-01	
D-13	Pin	1	100327-0-01		D-26	Washer	2	118735-0-01	
D-14-1	Length Control Screw	1	109151-1-01	D-14 Length Control Assembly 181482-0-01	D-27	Washer	1	025100-1-30	
D-14-2	Packing	1	108549-0-01		D-28	Collar	1	118748-0-01	
D-14-3	Length Control Dial	1	153168-0-01		D-29-1	Collar	1		D-29 Collar 118824-0-01
D-14-4	Washer	1	142746-0-02		D-29-2	Screw	2	151604-0-01	
D-14-5	Screw	1	142747-0-02		D-30	Bolt	1	108749-0-01	
D-14-6	Feed Regulator Plate	1	151507-0-01		D-31	Feed Regulator Bracket	1	118747-0-01	
D-15-1	Packing	1	104564-0-01	D-15 Reverse Lever Assembly	D-32	Screw	1	151601-0-02	
D-15-2	Feed Controller Lever Shaft	1	118751-0-01		D-33	Feed Rock Shaft Arm Pin	1	109153-0-01	
D-15-3	Screw	1	015771-0-12						
D-15-4	Reverse Lever	1							

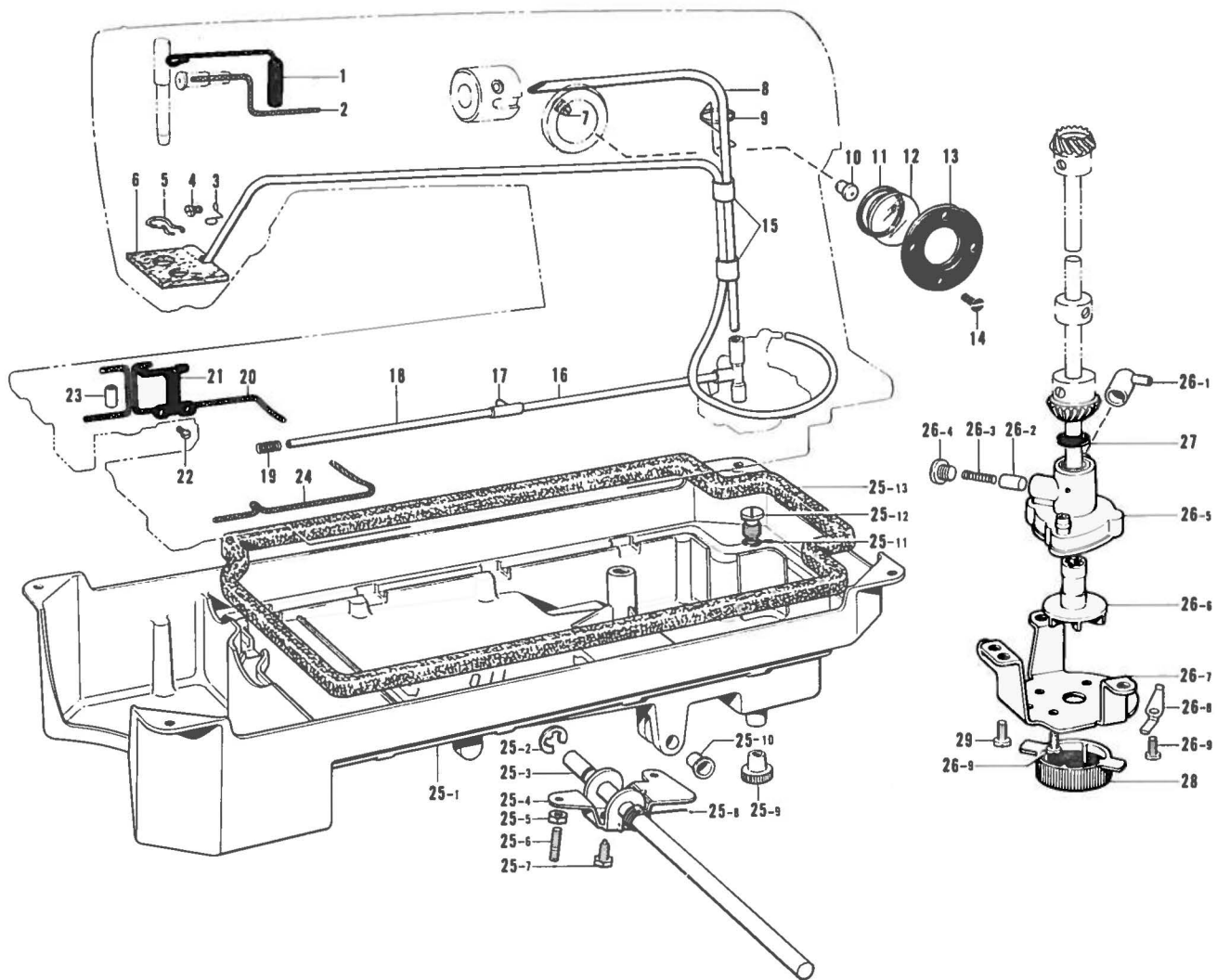
E. Presser Foot and Knee Lifter Mechanism



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
E-1	Screw	1	141207-0-01		E-17-1	Nut	1	021680-2-02	E-17
E-2	Nut	1	147846-0-01		E-17-2	Presser Bar Lifting Cam	1	142015-0-01	Presser Bar
E-3	Presser Spring Bar	1	141208-0-01		E-17-3	Presser Bar Lifting Shaft	1	142017-0-01	Lifting Lever
E-4	Spring	1	141728-0-01		E-17-4	Presser Bar Lifting Lever	1		Assembly
E-5	Washer	1	140407-0-01		E-17-5	Screw	1	142018-0-01	142014-0-01
E-6-1	Presser Bar Bracket	1		E-6	E-18	Knee Lifter Upper Crank	1	109145-0-01	
E-6-2	Screw	1	151604-0-01	Presser Bar Assembly 180102-0-01	E-19-1	Screw	1	100251-0-01	E-19
E-7	Screw	1	009680-7-13		E-19-2	Knee Lifter Crank Upper	1		Knee Lifter Crank Upper Assembly 142756-0-01
E-8	Presser Bar Bracket Thread Guide	1	111469-0-01		E-20	Pin	1	045161-0-00	
E-9	Presser Bar Bushing	1	111467-0-01		E-21	Knee Lifter Connecting Rod	1	141168-0-01	
E-10	Presser Bar	1	111466-0-01		E-22	Knee Lifter Complying Bar	1	145573-0-00	
E-11	Screw	1	001670-8-14		E-23-1	Knee Lifter Joint	1	146039-0-01	
E-12	Presser Foot	1			E-23-2	Bolt	1	017762-0-13	
E-13	Hinge Screw	1			E-23-3	Knee Lifter Bar	1	104619-0-02	
E-14	Tension Release Lever	1			E-23-4	Bolt	1	100463-0-01	
E-15	Tension Release Lever Spring	1			E-23-5	Bolt	1	110087-0-01	
E-16-1	Presser Bar Lifting Connector	1	109144-0-01	E-16	E-23-6	Knee Lifter Plate Stopper	1	114967-0-01	E-23
E-16-2	Screw	1	100294-0-01	Presser Bar Lifting Assembly 181623-0-01	E-23-7	Knee Lifter Plate	1	114966-0-01	Knee Lifter Assembly 181427-0-01
E-16-3	Presser Bar Lifting Bracket	1	100290-0-01		E-23-8	Knee Lifter Cover	1	140503-0-01	
					E-24	Washer	1		
					E-25	Finger Guard	1		

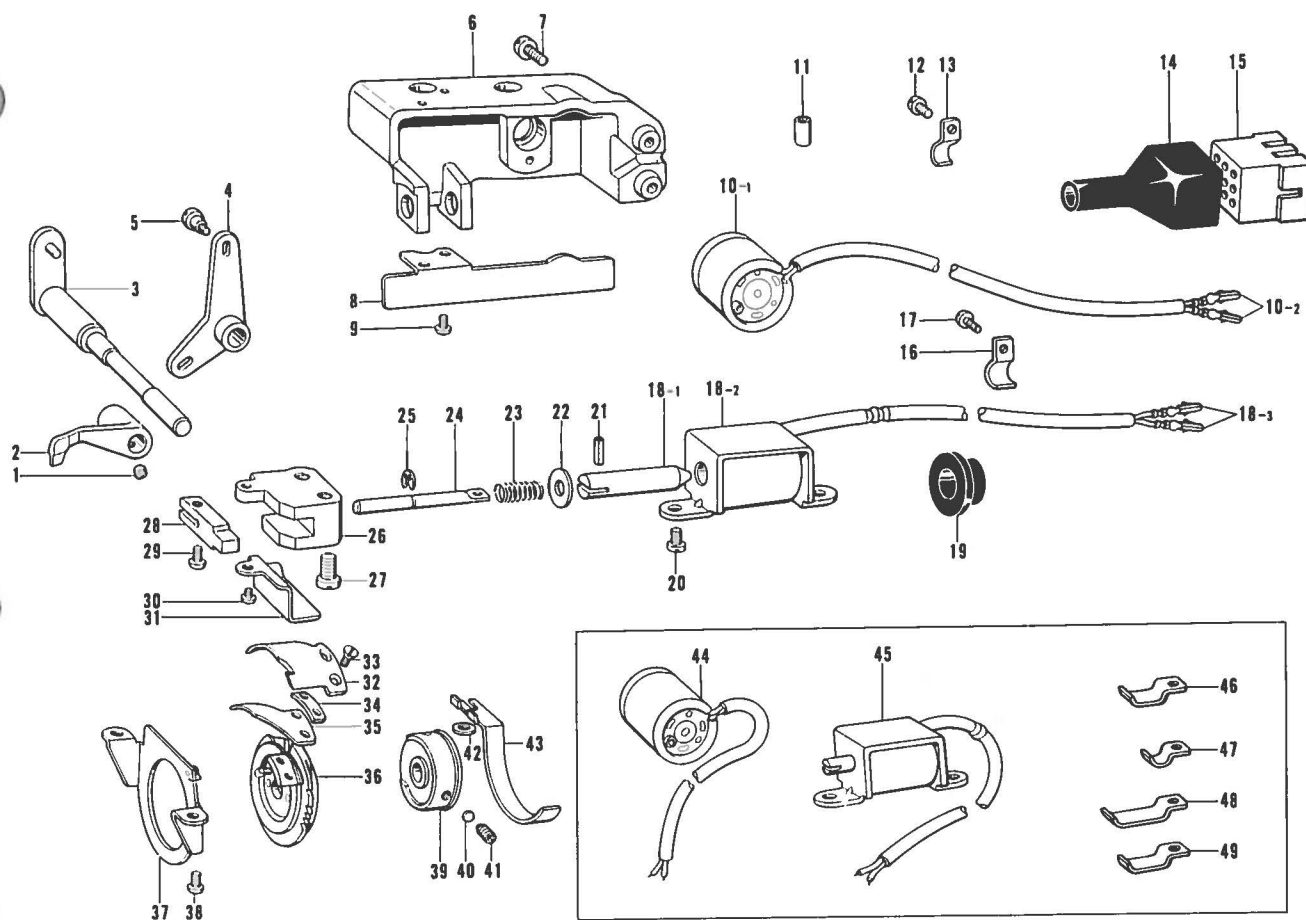
★Parts E-22-23 are for -100-200 and -400 type specification.

F. Lubrication



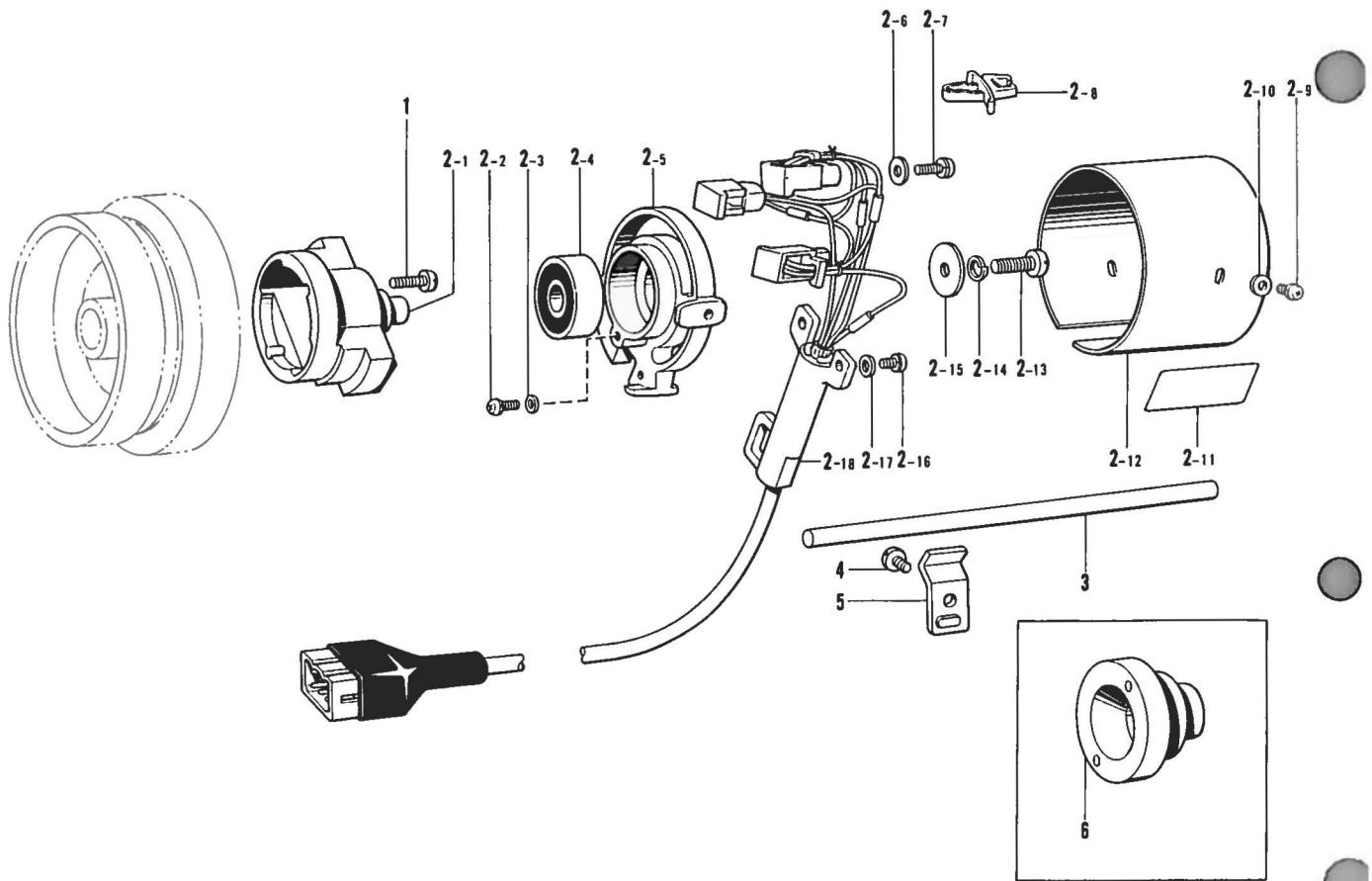
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F- 1	Wick	1	108804-0-01		F-25- 4	Knee Lifter	1	146037-0-01	
F- 2	Wick	1	109405-0-01		F-25- 5	Nut	2	100022-0-04	
F- 3	Tube Stopper	1	148806-0-01		F-25- 6	Screw	2	104885-0-01	
F- 4	Screw	1	009670-5-12		F-25- 7	Bolt	1	146367-0-01	
F- 5	Felt Support	1	145737-0-01		F-25- 8	Spring	1		F-25 Oil Pan Assembly
F- 6	Dust Cover with Tube	1	145792-0-01		F-25- 9	Oil Cap	1	140480-0-01	
F- 7	Screw	1	151603-0-02		F-25-10	Knee Lifter Shaft Bushing	2	149578-0-00	
F- 8	Upper Oil Tube	1	146329-0-00		F-25-11	O Ring	1	081007-0-70	
F- 9	Tube Guard	1	146326-0-01		F-25-12	Screw	1	140518-0-01	
F-10	Oil Hole Bolt for Oil Gauge	1	143196-0-01		F-25-13	Packing	1	146040-0-01	
F-11	Packing	1	081014-6-70		F-26- 1	Tube Joint	1	144878-0-01	
F-12	Oil Gauge Window	1	104547-0-01		F-26- 2	Plunger	1	144875-0-01	
F-13	Oil Gauge Flange	1	104546-0-01		F-26- 3	Spring	1	144876-0-01	
F-14	Screw	4	102538-0-02		F-26- 4	Screw	1	112467-0-02	
F-15	Vinyl Tube	2	118996-0-00		F-26- 5	Pump Body	1	148848-0-01	
F-16	Oil Tube	1	146319-0-01		F-26- 6	Pump Propeller	1	148849-0-01	F-26 Pump Body Assembly 181476-1-01
F-17	Tube Joint	1	146324-0-01		F-26- 7	Pump	1	144869-0-01	
F-18	Vinyl Tube	1	146323-0-00		F-26- 8	Spring	2	144874-0-01	
F-19	Spring	1	100328-0-01		F-26- 9	Screw	4	009670-8-12	
F-20	Wick	1	108801-0-01		F-27	Oil Stopper	1	146196-0-01	
F-21	Wick Supporter	1	109171-0-01		F-28	Pump Filter	1	144872-0-01	
F-22	Screw	2	009679-3-12		F-29	Screw	3	009680-7-13	
F-23	Vinyl Tube	1	104566-0-01						
F-24	Wick	1	108802-0-01						
F-25-1	Oil Pan	1		F-25 Oil Pan Assembly					
F-25-2	Stop Ring	1	146293-0-01						
F-25-3	Knee Lifter Shaft	1							

G. Thread Trimmer and Tension Releaser (-100, -200, -400, -500)



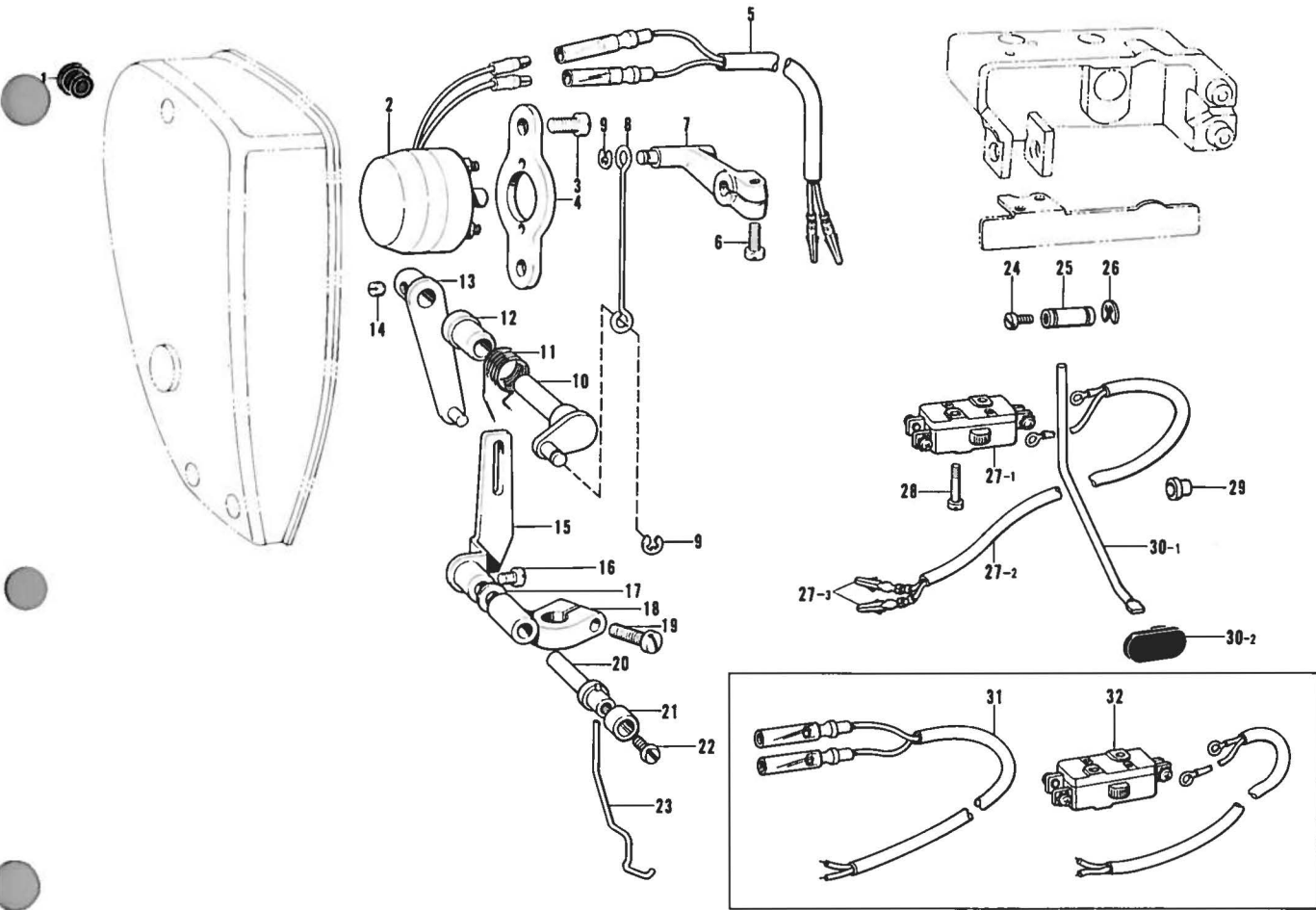
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-1	Screw	1	102716-0-03		G-23	Spring	1	145621-0-01	
G-2	Thread Release Lever	1	148327-0-01		G-24	Stud	1	145620-0-01	
G-3	Thread Release Stud	1	148339-0-01		G-25	Stop Ring	1	048030-3-42	
G-4	Thread Release Link	1	147106-0-01		G-26	Stopper Guide	1	145618-0-01	
G-5	Screw	1	120263-0-01		G-27	Screw	2	145619-0-01	
G-6	Solenoid Holder	1	147110-1-01		G-28	Stopper	1	145617-0-01	
G-7	Screw	2	009681-0-13		G-29	Screw	1	009660-7-12	
G-8	Solenoid Cover	1	148451-0-01		G-30	Screw	1	009679-3-12	
G-9	Screw	2			G-31	Oil Stopper Plate	1	145623-0-01	
G-10-1	Rotary Solenoid	1		G-10 Tension Release Solenoid Assembly	G-32	Movable Knife	1		
G-10-2	Terminal Pin	2	143549-0-00		G-33	Screw	2	141542-0-01	
G-11	Vinyl Tube	1	121823-0-01		G-34	Spacer	1		
G-12	Screw	2	009670-6-12		G-35	Lower Thread Finger	1	145610-1-01	
G-13	Supporter	2			G-36	Movable Knife Holder Assembly	1	145601-0-01	
G-14	Connector Cap	1			G-37	Holder Plate	1	145933-0-01	
G-15	Nylon Connector	1			G-38	Screw	2	009680-6-12	
G-16	Cord Holder	2	145595-0-01		G-39	Thread Trimming Clutch	1	149709-0-01	
G-17	Screw	2	009680-6-12		G-40	Washer	3	147697-0-01	
G-18-1	Plunger	1		G-18 Thread Trimming Solenoid Assembly	G-41	Screw	3	014680-6-22	
G-18-2	Solenoid Coil	1			G-42	Washer	1	025680-1-33	
G-18-3	Terminal Pin	2	143549-0-00		G-43	Movable Knife Cover	1	147946-0-01	
G-19	Bushing	1	146080-0-00		G-44	Rotary Solenoid	1		
G-20	Screw	2	009680-7-12		G-45	Thread Trimmer Solenoid	1		
G-21	Pin	1	047300-8-42		G-46	Tube Holder	2		
G-22	Washer	1	025040-3-35		G-47	Cord Holder	2		
					G-48	Cord Holder	1		
					G-49	Cord Holder	1		

H. Synchronizer (-100, -200, -400, -500)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
H-1	Screw	2	009781-4-12	H-2 Synchronizer Assembly	H-2-12	Synchronizer Cover	1	218941-0-01	H-2 Synchronizer Assembly
H-2-1	Magnet Stud	1			H-2-13	Screw	1	216880-0-01	
H-2-2	Screw	1	215083-0-01		H-2-14	Spring Washer	1	028060-2-43	
H-2-3	Washer	1	025030-3-35		H-2-15	Washer	1	025060-3-35	
H-2-4	Bearing	1			H-2-16	Screw	2	215080-0-01	
H-2-5	Hole IC Holder	1			H-2-17	Washer	2	025040-1-35	
H-2-6	Washer	3	025040-3-35		H-2-18	Hole IC with Cord	1	218953-0-01	
H-2-7	Screw	3	217093-0-01		H-3	Synchronizer Holder Bar	1		
H-2-8	Cord Holder	1			H-4	Screw	2	009711-4-12	
H-2-9	Screw	2	215080-0-01		H-5	Holder	1		
H-2-10	Washer	2	025040-1-35		H-6	Slip Ring Support	1		
H-2-11	Label	1							

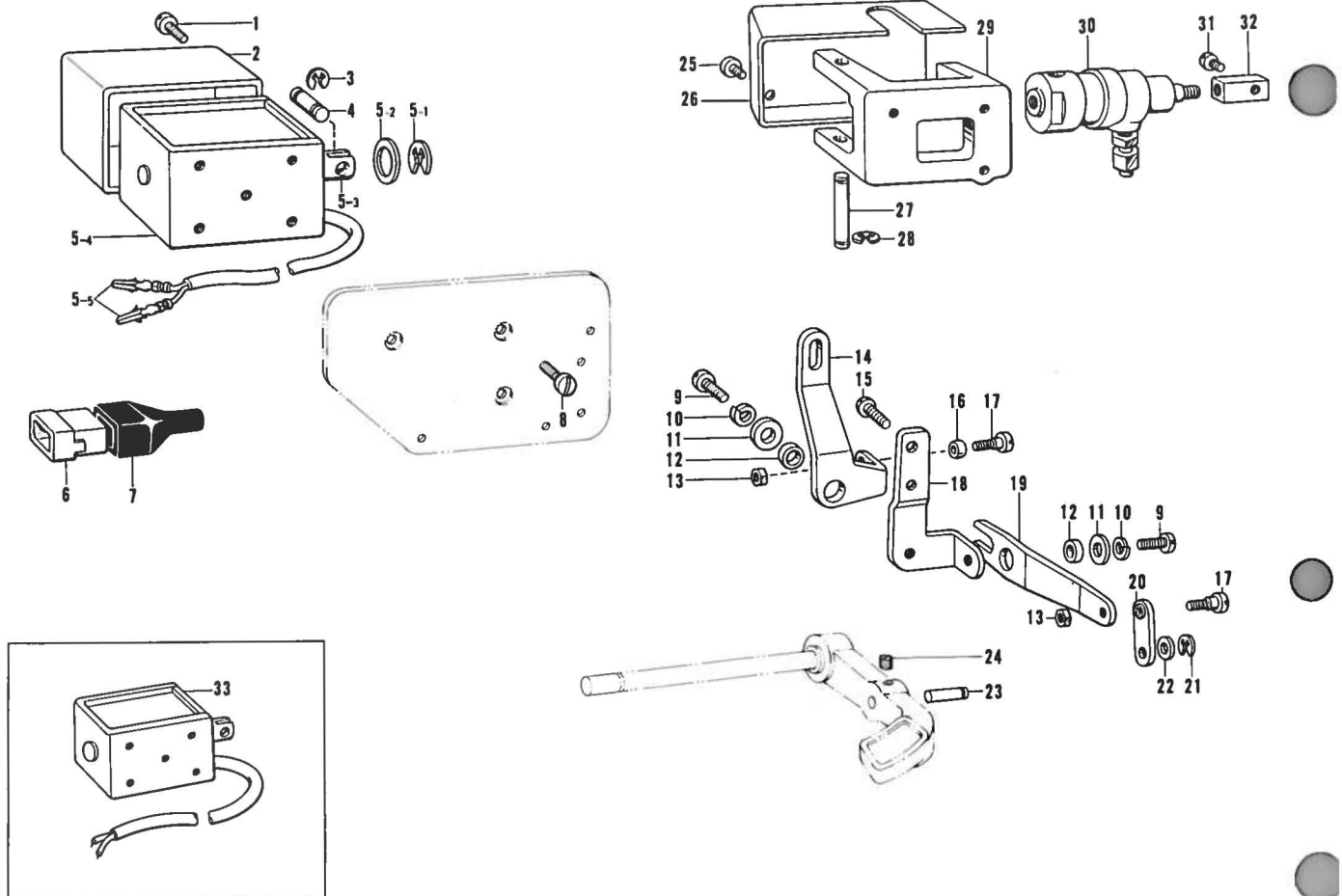
J. Thread Wiper and Reverse Switch Mechanism (-200, -400, -500)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
J- 1	Bushing	1	146080-0-00		J-20	Thread Wiper Stud	1	146092-0-01	
J- 2	Thread Wiper Solenoid	1	146082-0-00		J-21	Thread Wiper Stud Collar	1	146288-0-01	
J- 3	Screw	2	009680-8-12		J-22	Screw	1	001670-5-14	
J- 4	Solenoid Set Plate	1	146081-0-01		J-23	Thread Wiper	1	146094-0-01	
J- 5	Cord	1			J-24	Screw	1	009681-4-14	
J- 6	Screw	1	009671-0-13		J-25	Actuator Pin	1	146125-0-01	
J- 7	Solenoid Link	1	146086-0-01		J-26	Stop Ring	2	048080-3-42	
J- 8	Wire Link	1	146087-0-01		J-27-1	Micro Switch	1	140643-0-00	J-27 Switch
J- 9	Stop Ring	2	048025-3-42		J-27-2	Cord	1	146122-0-00	
J-10	Thread Wiper Crank	1	146088-0-01		J-27-3	Terminal Pin	2	143549-0-00	
J-11	Spring	1	146089-0-01		J-28	Screw	2	146124-0-01	
J-12	Bushing	1	146079-0-01		J-29	Bushing	1	146080-0-00	
J-13	Thread Wiper Lever	1	146090-0-01		J-30-1	Actuator Bar	1	148461-0-01	J-30 Actuator Assembly 148460-0-01
J-14	Screw	2	102716-0-02		J-30-2	Actuator	1	146128-0-00	
J-15	Grooved Link	1	146091-0-01		J-31	Cord	1		
J-16	Screw	1	111443-0-01		J-32	Switch	1		
J-17	Washer	1	102707-0-02						
J-18	Thread Wiper Supporter	1	146093-0-01						
J-19	Screw	1	009681-4-14						

★Parts J-1~J-23 are for -200 · -400 and -500 type specification, and Parts J-24~J-30 are for -400 and -500 one.

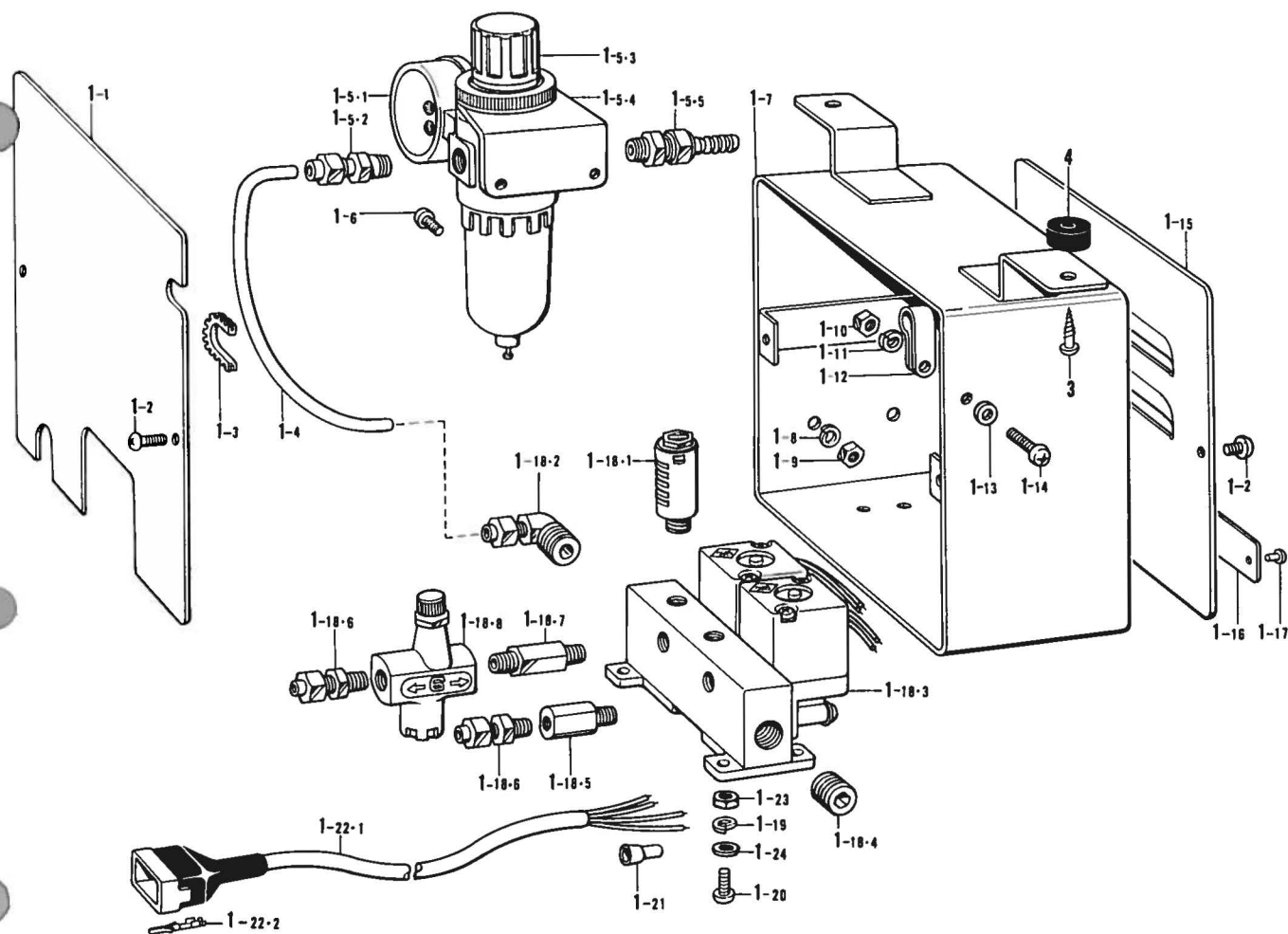
K. Reverse Mechanism (-400, -500)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
K-1	Screw	1	007501-2-02		K-16	Bushing	1	141331-0-01	
K-2	Solenoid Cover	1	148465-0-00		K-17	Screw	2	141494-0-01	
K-3	Stop Ring	2	048040-3-42		K-18	Solenoid Lever Bracket	1	148454-0-01	
K-4	Pin	1	147754-0-01		K-19	Reverse Link	1	148455-0-01	
K-5-1	Stop Ring	1	146103-0-01	K-5 Reverse Solenoid Assembly	K-20	Connecting Link	1	148467-0-01	
K-5-2	Rubber Stopper	1	146104-0-00		K-21	Stop Ring	1	048040-3-42	
K-5-3	Plunger	1			K-22	Washer	1	146115-0-00	
K-5-4	Solenoid	1			K-23	Pin	1	146114-0-01	
K-5-5	Terminal Pin	2	143549-0-00		K-24	Screw	1	013679-4-12	
K-6	6P Connector	1			K-25	Screw	2	009670-5-13	
K-7	Connector Cap	1			K-26	Cover	1	146156-0-01	
K-8	Screw	3	007500-8-12		K-27	Cylinder Supporter Shaft	1	146148-0-01	
K-9	Screw	2	009761-4-12		K-28	Stop Ring	2	048040-3-42	
K-10	Washer	2	028060-2-42		K-29	Cylinder Holder	1	148853-0-01	
K-11	Washer	2	141343-0-02		K-30	Reverse Cylinder	1	146149-0-01	
K-12	Collar	2	148456-0-01		K-31	Screw	1	141598-0-01	
K-13	Nut	2	150553-0-01		K-32	Piston Rod Connector	1	148854-0-01	
K-14	Solenoid Lever	1	148453-0-01		K-33	Reverse Solenoid	1		
K-15	Bolt	2	146360-0-02						

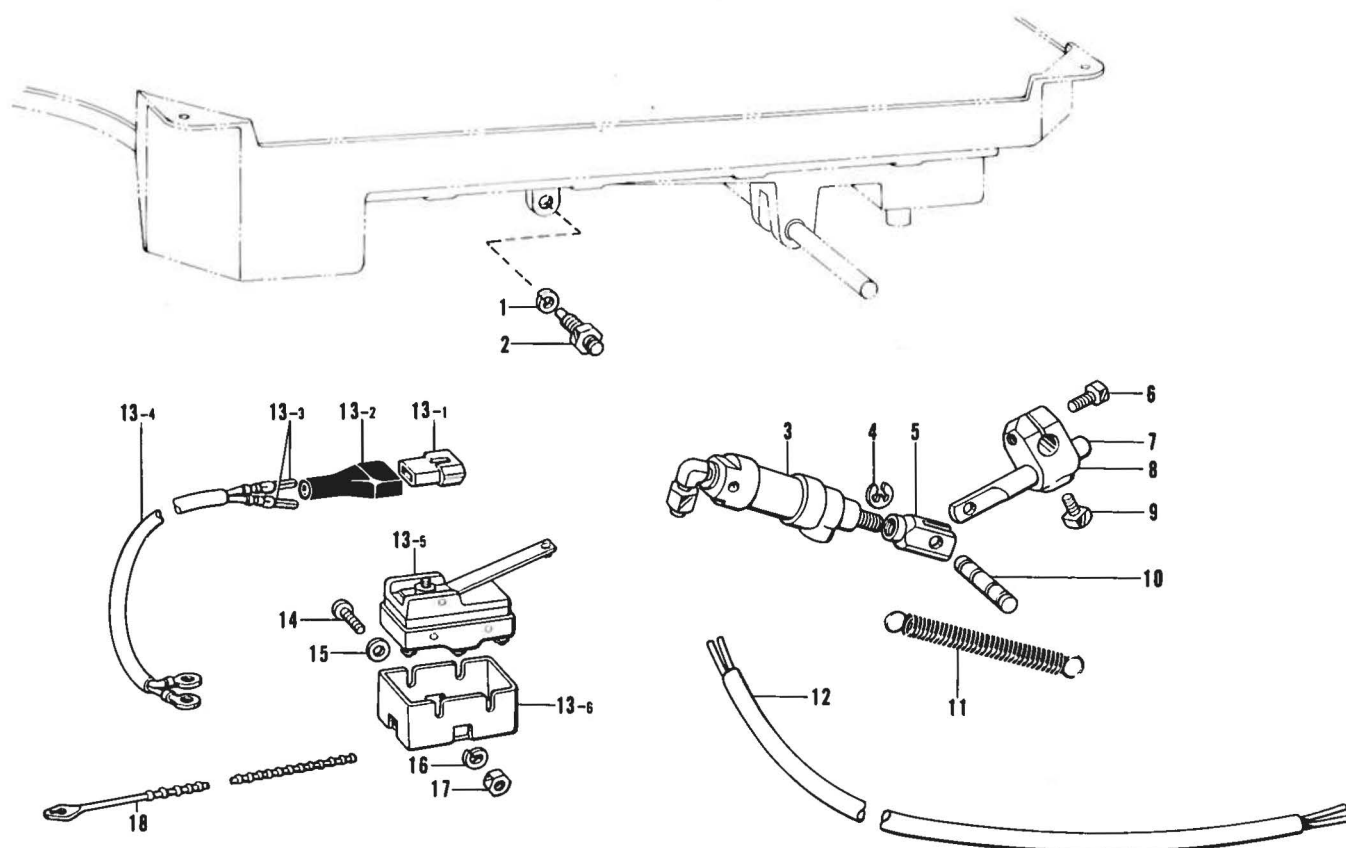
★Parts K-1~K-24 are for -400 type specification, and Parts K-8~K-32 are for -500 one.

L. Control Box Mechanism (-500)



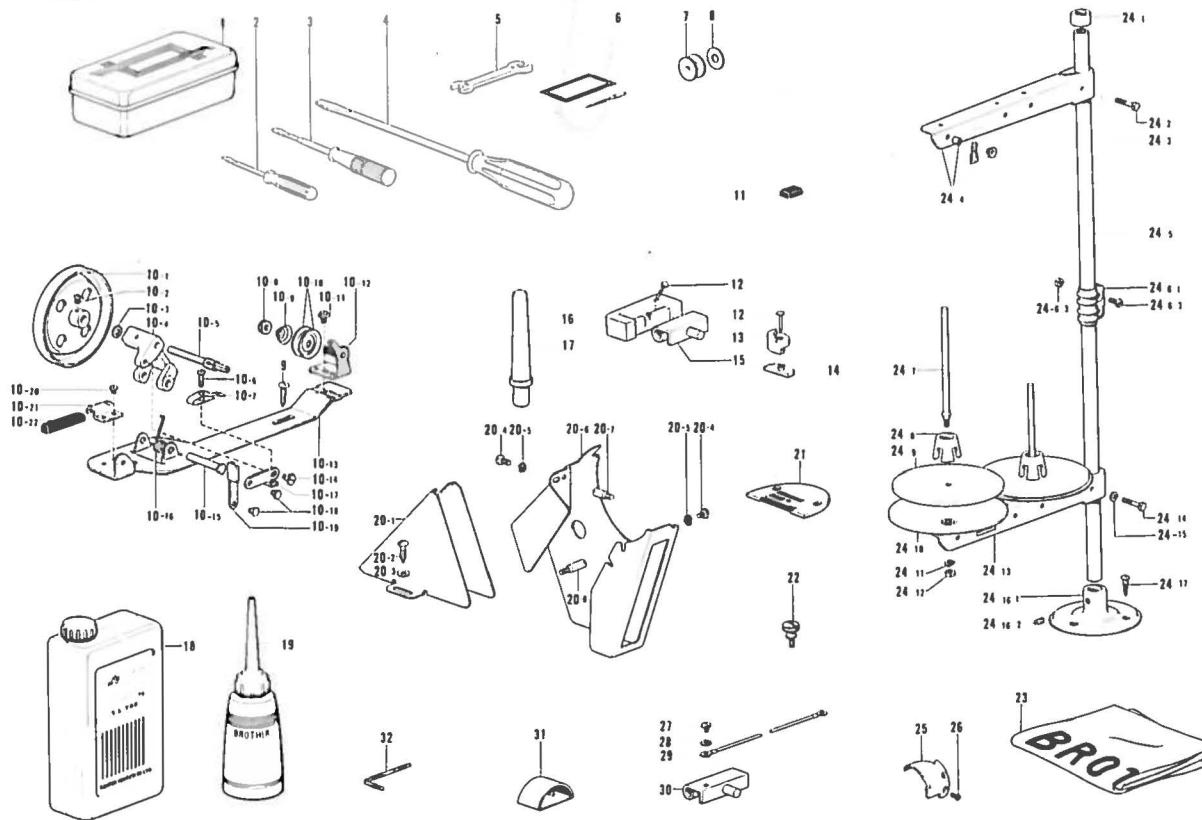
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
L-1-1	Rear Cover	1		L-1-5 Air Filter Unit 143959-1-03	L-1-16	Name Plate	1		L-1-18 Solenoid Valve Assembly 149543-0-01
L-1-2	Screw	4	008400-5-64		L-1-17	Rivet	1		
L-1-3	Nylon Bushing	1	146171-0-00		L-1-18-1	Silencer	2	140682-0-01	
L-1-4	Air Tube	1	140540-0-00		L-1-18-2	1/4" Elbow	1	140538-0-00	
L-1-5-1	Presser Gauge	1			L-1-18-3	Solenoid Valve	1	149544-0-01	
L-1-5-2	1/4" Connector Assembly	1	142349-0-00	L-1 Air Control Box Assembly 149539-0-01	L-1-18-4	1/4" Cap	1	140542-0-01	L-1 Air Control Box Assembly 149539-0-01
L-1-5-3	Valve	1	143960-1-01		L-1-18-5	Valve Connector	1	140539-0-00	
L-1-5-4	Air Unit Holder Plate	1			L-1-18-6	1/8" Connector	2	140543-0-00	
L-1-5-5	Air Tube Connector	1	140678-0-00		L-1-18-7	Speed Control Connector	1	142037-0-00	
L-1-6	Screw	2	002501-0-64		L-1-18-8	Speed Controller	1	142038-0-01	
L-1-7	Air Control Box	1			L-1-19	Washer	4	028040-2-43	L-1 Air Control Box Assembly 149539-0-01
L-1-8	Washer	2	028050-2-43		L-1-20	Screw	4	002401-2-03	
L-1-9	Nut	2	021500-1-63		L-1-21	Connector	4	206755-0-00	
L-1-10	Nut	1	021300-1-03		L-1-22	Valve Cord	1	149545-0-01	
L-1-11	Washer	1	028030-2-43		L-1-23	Nut	4	021400-1-03	
L-1-12	Cord Holder	1	149547-0-00		L-1-24	Washer	4	025040-1-33	
L-1-13	Washer	1	025030-1-33		L-3	Screw	2	031483-2-03	
L-1-14	Screw	1	002301-0-03		L-4	Rubber Cushion	2	115018-0-01	
L-1-15	Front Cover	1							

M. Presser Lifter Mechanism (-500)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
M- 1	Washer	2	028060-2-40		M-12	Air Tube	1	149548-0-01	
M- 2	Screw	2	147141-0-01		M-13-1	Nylon Connector	1	143488-0-01	
M- 3	Presser Foot Cylinder	1	146157-0-01		M-13-2	Connector Cap	1	143489-0-01	
M- 4	Stop Ring	2	048040-3-42		M-13-3	Terminal Pin	2	143549-0-00	
M- 5	Piston Rod Joint	1	140627-0-01		M-13-4	Presser Foot Lifter Cord	1	146161-0-00	
M- 6	Bolt	1	017762-0-13		M-13-5	Micro Switch	1	140948-0-01	
M- 7	Piston Drive Link	1	140668-0-01		M-13-6	Cover	1	140950-0-00	
M- 8	Knee Lifter Joint	1	146039-0-01		M-14	Screw	2	002303-0-06	
M- 9	Bolt	1	100463-0-01		M-15	Washer	2	025030-2-33	
M-10	Pin	1	146986-0-01		M-16	Washer	2	028030-2-43	
M-11	Spring	2	146985-0-01		M-17	Nut	2	021300-1-03	
					M-18	Bead Band	1	144189-0-01	

2. Accessories



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Z- 1	Accessory Box		110436-0-01		Z-18	Oil Tank		145277-1-03	
Z- 2	Screw Driver		142443-0-01		Z-19	Oiler		114483-0-01	
Z- 3	Screw Driver		118837-0-01		Z-20- 1	Belt Cover D			
Z- 4	Screw Driver		101572-1-01		Z-20- 2	Screw		100666-0-02	
Z- 5	Spanner		100887-0-01		Z-20- 3	Washer		025750-1-32	
Z- 6	Needle				Z-20- 4	Screw		009680-8-12	
Z- 7	Bobbin		146290-0-01		Z-20- 5	Washer		028680-2-42	
Z- 8	Bobbin Case Sheet				Z-20- 6	Belt Cover UA			
Z- 9	Screw		100666-0-02		Z-20- 7	Stud		147856-0-01	
Z-10- 1	Bobbin Winder Wheel Assembly				Z-20- 8	Stud		147855-0-01	
Z-10- 2	Screw		100366-0-02		Z-21	Needle Plate			
Z-10- 3	Washer				Z-22	Screw			
Z-10- 4	Bobbin Winder Wheel Shaft Bushing				Z-23	Head Cover		144222-0-01	
Z-10- 5	Bobbin Winder Shaft		117970-0-01		Z-24- 1	Cap			
Z-10- 6	Screw		100657-0-01		Z-24- 2	Bolt		017502-8-03	
Z-10- 7	Bobbin Presser				Z-24- 3	Washer		025050-2-33	
Z-10- 8	Nut				Z-24- 4	Thread Hanger Assembly		150192-0-01	
Z-10- 9	Spring		100401-0-01		Z-24- 5	Pipe		150172-0-01	
Z-10-10	Tension Disc		145446-0-01		Z-24- 6-1	Joint		150173-0-01	
Z-10-11	Screw				Z-24- 6-2	Screw		150202-0-01	
Z-10-12	Bobbin Winder Wheel Guide Bracket Assembly				Z-24- 6-3	Nut		021500-1-03	
Z-10-13	Bobbin Winder Wheel Bracket				Z-24- 7	Spool shaft		150179-0-01	
Z-10-14	Screw		100659-0-01		Z-24- 8	Spool Cushion		147060-0-01	
Z-10-15	Pin				Z-24- 9	Spool Mat		150182-0-00	
Z-10-16	Spring		117969-0-01		Z-24-10	Spool stand Base		150180-0-00	
Z-10-17	Bobbin Presser Arm				Z-24-11	Spring Washer		028050-2-43	
Z-10-18	Pin		100661-0-01		Z-24-12	Nut		021500-1-03	
Z-10-19	Bobbin Presser Arm Bracket				Z-24-13	Spool Holder Assembly		150177-0-01	
Z-10-20	Screw		009679-3-12		Z-24-14	Bolt		017502-8-03	
Z-10-21	Bobbin Winder Wheel Stopper Holder				Z-24-15	Washer		025050-2-33	
Z-10-22	Bobbin Winder Wheel Stopper		100662-0-01		Z-24-16-1	Cotton Stand Base		150189-0-01	
Z-11	Magnet		112525-0-00		Z-24-16-2	Screw		150181-0-01	
Z-12	Nail		109714-0-00		Z-24-17	Screw		031452-2-03	
Z-13	Head Cushion		146003-1-01		Z-25	Movable Knife			
Z-14	Oil Pan Cushion		146004-0-01		Z-26	Screw		141542-0-01	
Z-15	Hinge		143882-0-01		Z-27	Screw		009680-6-13	
Z-16	Blower		143910-0-01		Z-28	Washer		025680-2-34	
Z-17	Head Rest		100477-0-01		Z-29	Earth Wire		145946-0-01	
					Z-30	Head Hinge		145945-0-01	
					Z-31	Movable Knife Case		145990-0-01	
					Z-32	Spanner		146049-0-01	

*** The details of included accessories are subject to change.**

*** Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.**

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

*** Los detalles de los accesorios incluidos pueden variar.**

DIFFERENT PARTS LIST

-3

Ref. No.	Name of Parts	Sub Class Motor Spec. Destination	3									
			Germany, France	England, France	Spain	Tiwan			Iraq	Spain		
A- 2	Oil Cap											112782-0-01
A- 4	Face Plate											111455-0-01
A- 6	Screw											108960-0-02
A- 7	Face Plate Thread Guide											111476-0-01
A- 8	Oil Stopper Plate Assembly			181641-0-01		181639-0-01				181641-0-01		
A-20	Pretension Assembly											144502-0-01
A-21	Rear Cover											118673-0-01
A-32	Tension Regulator Assembly											181473-0-01
A-32-2	Tension Spring											104525-0-01
A-32-6	Thread Take-up Spring											100399-0-01
A-33	Tension Release Pin											146065-0-00
A-37	Oil Cap											104833-0-01
A-40	Needle Plate											100266-0-01
B- 4	Thread Take-up Lever Assembly			116732-0-01		147551-0-01				116732-0-01		
B- 4-3	Needle Roller Bearing			116735-0-00		147777-0-00				116735-0-00		
B- 4-5	Cap											145600-0-00
B- 4-9	Needle Bar Connector			140353-0-01		145466-0-01				140353-0-01		
B-12	Needle Bar		145268-0-01							111462-0-01		
B-14	Needle Bar Bushing Lower		142116-0-01							117243-0-01		
B-16	Needle Bar Thread Guide									112775-0-01		
B-18	Needle		107415-0-14							100265-0-34		
B-22	Thread Take-up Crank			142782-0-00		148965-0-00				142782-0-00		
B-45	Pulley									115244-0-01		
C- 5	Feed Dog									100334-0-01		
C-18	Lower Shaft									109160-0-01		
C-19	Felt									106436-0-01		
C-22	Screw									107407-0-03		
C-23	Bobbin Case Assembly									100369-0-01		
C-24	Bobbin Case Sheet									140356-0-01		
C-26	Rotary Hook Assembly									116780-0-01		
C-27	Oil Stopper Assembly									144943-0-01		
C-47	Bobbin Presser Spring											
D- 4	Eccentric Wheel									180792-0-01		
D-11	Spring									118753-0-01		
D-15	Reverse Lever Assembly									181678-0-01		
D-15-4	Reverse Lever									118752-0-01		
E-12	Presser Foot									113280-0-01		
E-13	Hinge Screw									109163-0-01		
E-14	Tension Release Lever									111470-0-00		
E-15	Tension Release Lever Spring									100405-0-01		

Ref. No.	Name of Parts	Sub Class Motor Spec. Destination	3									
			Germany, France	England, France	Spain	Tiwan			Iraq	Spain		
E-24	Washer		025350-1-34									
E-25	Finger Guard		150384-0-01									
F-25	Oil Pan Assembly							181120-2-01				
F-25-1	Oil Pan							149580-0-01				
F-25-3	Knee Lifter Shaft							146036-1-01				
F-25-8	Spring							146038-0-01				
G-9	Screw											
G-10	Tension Release Solenoid Assembly											
G-13	Supporter											
G-14	Connector Cap											
G-15	Nylon Connector											
G-18	Thread Trimming Solenoid Assembly											
G-32	Movable Knife											
G-34	Spacer											
G-44	Rotary Solenoid											
G-45	Thread Trimming Solenoid											
G-46	Tube Holder											
G-47	Cord Holder											
G-48	Cord Holder											
G-49	Cord Holder											
H-2	Synchronizer Assembly											
H-3	Synchronizer Holder Bar											
H-5	Holder											
H-6	Slip Ring Support											
J-5	Cord											
J-27	Switch											
J-31	Cord											
J-32	Switch											
K-5	Reverse Solenoid Assembly											
K-6	6P Connector											
K-7	Connector Cap											
K-33	Reverse Solenoid											
Z-6	Needle		107415-0-14					100265-0-34				
Z-8	Bobbin Case Sheet							140356-0-01				
Z-20	Belt Cover Assembly		147895-0-11						147895-0-11			
Z-21	Needle Plate							100267-0-01				
Z-22	Screw							106120-0-03				
Z-24	Cotton Stand Assembly		150150-0-01						150150-0-01			150150-0-01
Z-25	Movable Knife											

Ref. No.	Name of Parts	Sub Class Motor Spec. Destination		5					
		France	France				Spain		Spain
A- 2	Oil Cap						112782-0-01		
A- 4	Face Plate						111455-0-01		
A- 6	Screw						108960-0-02		
A- 7	Face Plate Thread Guide						111476-0-01		
A- 8	Oil Stopper Plate Assembly						181641-0-01		
A-20	Pretension Assembly						144502-0-01		
A-21	Rear Cover						118673-0-01		
A-32	Tension Regulator Assembly						181473-0-01		
A-32-2	Tension Spring						104525-0-01		
A-32-6	Thread Take-up Spring						100399-0-01		
A-33	Tension Release Pin						146065-0-00		
A-37	Oil Cap						104833-0-01		
A-40	Needle Plate						100267-0-01		
B- 4	Thread Take-up Lever Assembly						116732-0-01		
B- 4-3	Needle Roller Bearing						116735-0-00		
B- 4-5	Cap						145600-0-00		
B- 4-9	Needle Bar Connector						140353-0-01		
B-12	Needle Bar						145268-0-01		
B-14	Needle Bar Bushing Lower						142116-0-01		
B-16	Needle Bar Thread Guide						112775-0-01		
B-18	Needle	107415-0-18					100265-0-41		
B-22	Thread Take-up Crank						111465-0-00		
B-45	Pulley						115244-0-01		
C- 5	Feed Dog						100334-0-01		
C-18	Lower Shaft						109160-0-01		
C-19	Felt						106436-0-01		
C-22	Screw						107407-0-03		
C-23	Bobbin Case Assembly						100369-0-01		
C-24	Bobbin Case Sheet						140356-0-01		
C-26	Rotary Hook Assembly						116780-0-01		
C-27	Oil Stopper Assembly						144943-0-01		
C-47	Bobbin Presser Spring								
D- 4	Eccentric Wheel						145269-0-01		
D-11	Spring						145643-0-01		
D-15	Reverse Lever Assembly						181678-0-01		
D-15-4	Reverse Lever						118752-0-01		
E-12	Presser Foot						113280-0-01		
E-13	Hinge Screw						109163-0-01		
E-14	Tension Release Lever						111470-0-00		
E-15	Tension Release Lever Spring						100405-0-01		

Ref. No.	Name of Parts	5							
		Sub Class	Motor Spec.	Destination	France	France		Spain	Spain
24	Washer				025350-1-34				
E-25	Finger Guard				150384-0-01				
F-25	Oil Pan Assembly							181420-2-01	
F-25-1	Oil Pan							149580-0-01	
F-25-3	Knee Lifter Shaft							146036-1-01	
F-25-8	Spring							146038-0-01	
G-9	Screw								
G-10	Tension Release Solenoid Assembly								
G-13	Supporter								
G-14	Connector Cap								
G-15	Nylon Connector								
G-18	Thread Trimming Solenoid Assembly								
G-32	Movable Knife								
G-34	Spacer								
G-44	Rotary Solenoid								
G-45	Thread Trimming Solenoid								
G-46	Tube Holder								
G-47	Cord Holder								
G-48	Cord Holder								
G-49	Cord Holder								
H-2	Synchronizer Assembly								
H-3	Synchronizer Holder Bar								
H-5	Holder								
H-6	Slip Ring Support								
J-5	Cord								
27	Switch								
J-31	Cord								
J-32	Switch								
K-5	Reverse Solenoid Assembly								
K-6	6P Connector								
K-7	Connector Cap								
K-33	Reverse Solenoid								
Z-6	Needle				107415-0-18			100265-0-41	
Z-8	Bobbin Case Sheet							140356-0-01	
Z-20	Belt Cover Assembly				147895-0-11				147895-0-11
Z-21	Needle Plate							100267-0-01	
Z-22	Screw							106120-0-03	
Z-24	Cotton Stand Assembly				150150-0-01			150150-0-01	150150-0-01
Z-25	Movable Knife								

Ref. No.	Name of Parts	103			105		
		Brother	Effka	Germany, France	Brother	Effka	
A-2	Oil Cap		11282-0-01			112782 0 01	
A-4	Face Plate		111455-0-01			11115 0 01	
A-6	Screw						
A-7	Face Plate Thread Guide						
A-8	Oil Stopper Plate Assembly		181641 0 01			181641 0 01	
A-20	Pretension Assembly						
A-21	Rear Cover		118673 0 01			118673 0 01	
A-32	Tension Regulator Assembly		181473 0 01			181635 0 01	
A-32-2	Tension Spring		104525 0 01			11515 0 01	
A-32-6	Thread Take-up Spring		100399 0 01			11519 0 01	
A-33	Tension Release Pin		116065 0 00			116065 0 00	
A-37	Oil Cap		112274 0 01			112274-0-01	
A-40	Needle Plate		115971 0 01			117245-0-01	
B-4	Thread Take-up Lever Assembly		116732 0 01			116732 0 01	
B-4-3	Needle Roller Bearing		116735-0-00			116735 0 00	
B-4-5	Cap		115600-0 00			115600 0 00	
B-4-9	Needle Bar Connector		110333 0 01			110333 0 01	
B-12	Needle Bar	115467-0-01		11718 0 01		115986 0 01	
B-14	Needle Bar Bushing Lower		117243 0 01			112116 0 01	
B-16	Needle Bar Thread Guide		115944 0 01			115944 0 01	
B-18	Needle	100265-0-34		10715 0 11		100265 0 1	
B-22	Thread Take-up Crank		112782 0 00			111165 0 00	
B-45	Pulley		1148823 0 01			111823 0 0	
C-5	Feed Dog		100110-01			1144500 0 01	
C-18	Lower Shaft		11517-0 01			1151 0 01	
C-19	Felt		11517-0 01			11517 0 01	
C-22	Screw		009681-0 12			0096 1 0	
C-23	Bobbin Case Assembly		114810-1 01			114810 0	
C-24	Bobbin Case Sheet						
C-26	Rotary Hook Assembly		114585-1-01				
C-27	Oil Stopper Assembly						
C-47	Bobbin Presser Spring		114816 1-01			114896 0	
D-4	Eccentric Wheel		1181792-0-01			1145269 0 01	
D-11	Spring		118753 0 01			11464 0 01	
D-15	Reverse Lever Assembly		1181678-0-01			11167 0 0	
D-15-4	Reverse Lever		118752-0-01			11872 0 01	
E-12	Presser Foot		1140957-0-01			1110 0-01	
E-13	Hinge Screw		109163-0-01			1096 0 01	
E-14	Tension Release Lever		111470-0-00			11470 0 00	
E-15	Tension Release Lever Spring		100405-0-01			0040 0 0	

Ref. No.	Name of Parts	103				105			
		Sub Class	Motor Spec.	Destination	Brother	Efka	Germany, France	Brother	Efka
E-24	Washer						025350-1-34		
E-25	Finger Guard						150384-0-01		
F-25	Oil Pan Assembly				181420-2-01			181420-2-01	
F-25-1	Oil Pan				149580-0-01			149580-0-01	
F-25-3	Knee Lifter Shaft				146036-1-01			146036-1-01	
F-25-8	Spring				146038-0-01			146038-0-01	
G-9	Screw				001639-3-12			001639-3-12	
G-10	Tension Release Solenoid Assembly				147107-0-01			147107-0-01	
G-13	Supporter				140647-0-01			140647-0-01	
G-14	Connector Cap				145596-0-01			145596-0-01	
G-15	Nylon Connector				145681-0-00			145681-0-00	
G-18	Thread Trimming Solenoid Assembly				146014-0-01			146014-0-01	
G-32	Movable Knife				145608-0-01			146187-0-00	
G-34	Spacer				145611-0-00			145610-1-01	
G-44	Rotary Solenoid					148852-0-01			148852-0-01
G-45	Thread Trimming Solenoid					146910-0-01			146910-0-01
G-46	Tube Holder								
G-47	Cord Holder								
G-48	Cord Holder								
G-49	Cord Holder								
H-2	Synchronizer Assembly				218931-0-01			218931-0-01	
H-3	Synchronizer Holder Bar					218944-0-01			218944-0-01
H-5	Holder					216332-0-01			216332-0-01
H-6	Slip Ring Support					148825-0-01			148825-0-01
J-5	Cord								
J-27	Switch								
J-31	Cord								
J-32	Switch								
K-5	Reverse Solenoid Assembly								
K-6	6P Connector								
K-7	Connector Cap								
K-33	Reverse Solenoid								
Z-6	Needle				100265-0-34		107415-0-14	100265-0-42	
Z-8	Bobbin Case Sheet								
Z-20	Belt Cover Assembly				147895-0-11			147895-0-11	
Z-21	Needle Plate				100266-0-01			100266-0-01	
Z-22	Screw								
Z-24	Cotton Stand Assembly				150150-0-01		150150-0-01	150150-0-01	
Z-25	Movable Knife				145608-0-01			147981-0-01	

Ref. No.	Name of Parts	203				205			
		Brother		Efka		Brother		Efka	
A- 2	Oil Cap			104449-0-01				104449-0-01	
A- 4	Face Plate			148330-0-01				148330-0-01	
A- 6	Screw								
A- 7	Face Plate Thread Guide								
A- 8	Oil Stopper Plate Assembly			181641-0-01				181641-0-01	
A-20	Pretension Assembly								
A-21	Rear Cover			118673-0-01				118673-0-01	
A-32	Tension Regulator Assembly			181473-0-01				181635-0-01	
A-32-2	Tension Spring			104525-0-01				145153-0-01	
A-32-6	Thread Take-up Spring			100399-0-01				145519-0-01	
A-33	Tension Release Pin			146065-0-00				146065-0-00	
A-37	Oil Cap			142274-0-01				142274-0-01	
A-40	Needle Plate			145971-0-01				147245-0-01	
B- 4	Thread Take-up Lever Assembly			116732-0-01				116732-0-01	
B- 4-3	Needle Roller Bearing			116735-0-00				116735-0-00	
B- 4-5	Cap			145600-0-00				145600-0-00	
B- 4-9	Needle Bar Connector			140353-0-01				140353-0-01	
B-12	Needle Bar			145467-0-01				145986-0-01	
B-14	Needle Bar Bushing Lower			117243-0-01				142116-0-01	
B-16	Needle Bar Thread Guide			145944-0-01				145944-0-01	
B-18	Needle			100265-0-34				100265-0-42	
B-22	Thread Take-up Crank			142782-0-00				111465-0-00	
B-45	Pulley			148823-0-01				148823-0-01	
C- 5	Feed Dog			100334-0-01				144500-0-01	
C-18	Lower Shaft			145517-0-01				145517-0-01	
C-19	Felt			145751-0-01				145751-0-01	
C-22	Screw			009681-0-12				009681-0-12	
C-23	Bobbin Case Assembly			148350-1-01				148350-1-01	
C-24	Bobbin Case Sheet								
C-26	Rotary Hook Assembly			145585-1-01				145585-1-01	
C-27	Oil Stopper Assembly								
C-47	Bobbin Presser Spring			148967-1-01				148967-1-01	
D- 4	Eccentric Wheel			180792-0-01				145269-0-01	
D-11	Spring			118753-0-01				145643-0-01	
D-15	Reverse Lever Assembly			181678-0-01				181678-0-01	
D-15-4	Reverse Lever			118752-0-01				118752-0-01	
E-12	Presser Foot			140957-0-01				145157-0-01	
E-13	Hinge Screw			109163-0-01				109163-0-01	
E-14	Tension Release Lever			111470-0-00				111470-0-00	
E-15	Tension Release Lever Spring			100405-0-01				100405-0-01	

Ref. No.	Sub Class Motor Spec. Destination	203		205	
		Brother	Efka	Brother	Efka
Name of Parts					
E-24 Washer					
E-25 Finger Guard					
F-25 Oil Pan Assembly		181420-2-01		181420-2-01	
F-25-1 Oil Pan		149580-0-01		149580-0-01	
F-25-3 Knee Lifter Shaft		146036-1-01		146036-1-01	
F-25-8 Spring		146038-0-01		146038-0-01	
G-9 Screw		001639-3-12		001639-3-12	
G-10 Tension Release Solenoid Assembly		147107-0-01		147107-0-01	
G-13 Supporter					
G-14 Connector Cap		146119-0-00		146119-0-00	
G-15 Nylon Connector		145681-0-00		145681-0-00	
G-18 Thread Trimming Solenoid Assembly		146014-0-01		146014-0-01	
G-32 Movable Knife		145608-0-01		147981-0-01	
G-34 Spacer		145611-0-00		146187-0-00	
G-44 Rotary Solenoid			148852-0-01		148852-0-01
G-45 Thread Trimming Solenoid			146910-0-01		146910-0-01
G-46 Tube Holder		142268-0-01		142268-0-01	
G-47 Cord Holder					
G-48 Cord Holder					
G-49 Cord Holder					
H-2 Synchronizer Assembly		218931-0-01		218931-0-01	
H-3 Synchronizer Holder Bar			218944-0-01		218944-0-01
H-5 Holder			216332-0-01		216332-0-01
H-6 Slip Ring Support			148825-0-01		148825-0-01
J-5 Cord		146095-0-00		146095-0-00	
J-27 Switch					
J-31 Cord			146912-0-00		146912-0-00
J-32 Switch					
K-5 Reverse Solenoid Assembly					
K-6 6P Connector					
K-7 Connector Cap					
K-33 Reverse Solenoid					
Z-6 Needle		100265-0-34		100265-0-42	
Z-8 Bobbin Case Sheet					
Z-20 Belt Cover Assembly		147895-0-11		147895-0-11	
Z-21 Needle Plate		100266-0-01		100266-0-01	
Z-22 Screw					
Z-24 Cotton Stand Assembly		150150-0-01		150150-0-01	
Z-25 Movable Knife		145608-0-01		147981-0-01	

Ref. Npo.	Name of Parts	Sub Class Motor Spec. Destination	403				405			
			Brother		Efka		Brother		Efka	
						U.S.A., Canada				
A- 2	Oil Cap				104449-0-01				104449-0-01	
A- 4	Face Plate				148330-0-01				148330-0-01	
A- 6	Screw									
A- 7	Face Plate Thread Guide									
A- 8	Oil Stopper Plate Assembly				181641-0-01				181641-0-01	
A-20	Pretension Assembly									
A-21	Rear Cover				148452-0-01				148452-0-01	
A-32	Tension Regulator Assembly				181473-0-01				181635-0-01	
A-32-2	Tension Spring				104525-0-01				145153-0-01	
A-32-6	Thread Take-up Spring				100399-0-01				145519-0-01	
A-33	Tension Release Pin				146065-0-00				146065-0-00	
A-37	Oil Cap				142274-0-01				142274-0-01	
A-40	Needle Plate				145971-0-01				147245-0-01	
B- 4	Thread Take-up Lever Assembly				116732-0-01				116732-0-01	
B- 4-3	Needle Roller Bearing				116735-0-00				116735-0-00	
B- 4-5	Cap				145600-0-00				145600-0-00	
B- 4-9	Needle Bar Connector				140353-0-01				140353-0-01	
B-12	Needle Bar				145467-0-01				145986-0-01	
B-14	Needle Bar Bushing Lower				117243-0-01				142116-0-01	
B-16	Needle Bar Thread Guide				145944-0-01				145944-0-01	
B-18	Needle				145971-0-01				147245-0-01	
B-22	Thread Take-up Crank				142782-0-00				111465-0-00	
B-45	Pulley				148823-0-01				148823-0-01	
C- 5	Feed Dog				100334-0-01				144500-0-01	
C-18	Lower Shaft				145517-0-01				145517-0-01	
C-19	Felt				145751-0-01				145751-0-01	
C-22	Screw				009681-0-12				009681-0-12	
C-23	Bobbin Case Assembly				148350-1-01				148350-1-01	
C-24	Bobbin Case Sheet									
C-26	Rotary Hook Assembly				145585-1-01				145585-1-01	
C-27	Oil Stopper Assembly									
C-47	Bobbin Presser Spring				148967-1-01				148967-1-01	
D- 4	Eccentric Wheel				180792-0-01				145269-0-01	
D-11	Spring				148459-0-01				148459-0-01	
D-15	Reverse Lever Assembly				181714-0-01				181714-0-01	
D-15-4	Reverse Lever				148458-0-01				148458-0-01	
E-12	Presser Foot				140957-0-01				145157-0-01	
E-13	Hinge Screw				109163-0-01				109163-0-01	
E-14	Tension Release Lever				111470-0-00				111470-0-00	
E-15	Tension Release Lever Spring				100405-0-01				100405-0-01	

Ref. No.	Name of Parts	403			405		
		Brother		Efka	Brother		Efka
Sub Class	Motor Spec						
Destination				U.S.A., Canada			
E-24	Washer						
E-25	Finger Guard						
F-25	Oil Pan Assembly	181420-2-01			181420-2-01		
F-25-1	Oil Pan	149580-0-01			149580-0-01		
F-25-3	Knee Lifter Shaft	146036-1-01			146036-1-01		
F-25-8	Spring	146038-0-01			146038-0-01		
G-9	Screw						
G-10	Tension Release Solenoid Assembly	147107-0-01			147107-0-01		
G-13	Supporter						
G-14	Connector Cap	146119-0-00			146119-0-00		
G-15	Nylon Connector	145681-0-00			145681-0-00		
G-18	Thread Trimming Solenoid Assembly	146014-0-01			146014-0-01		
G-32	Movable Knife	145608-0-01			147981-0-01		
G-34	Spacer	145611-0-00			146187-0-00		
G-44	Rotary Solenoid		148852-0-01	151247-0-01		148852-0-01	
G-45	Thread Trimming Solenoid		146910-0-01	151187-0-01		146910-0-01	
G-46	Tube Holder						
G-47	Cord Holder						
G-48	Cord Holder	148856-0-01			148856-0-01		
G-49	Cord Holder	148462-0-01			148462-0-01		
H-2	Synchronizer Assembly	218931-0-01			218931-0-01		
H-3	Synchronizer Holder Bar	218944-0-01			218944-0-01		
H-5	Holder	216332-0-01			216332-0-01		
H-6	Slip Ring Support	148825-0-01			148825-0-01		
J-5	Cord	146095-0-00			146095-0-00		
J-27	Switch	146121-0-00			146121-0-00		
J-31	Cord		146912-0-00	151183-0-01		146912-0-00	
J-32	Switch		146913-0-00	151185-0-01		146913-0-00	
K-5	Reverse Solenoid Assembly	147756-0-01			147756-0-01		
K-6	6P Connector	146118-0-00			146118-0-00		
K-7	Connector Cap	145596-0-01			145596-0-01		
K-33	Reverse Solenoid		147757-0-01	151181-0-01		147757-0-01	
Z-6	Needle	100265-0-34			100265-0-42		
Z-8	Bobbin Case Sheet						
Z-20	Belt Cover Assembly	147895-0-11			147895-0-11		
Z-21	Needle Plate	100266-0-01			100266-0-01		
Z-22	Screw						
Z-24	Cotton Stand Assembly		150150-0-01	150150-0-01		150150-0-01	
Z-25	Movable Knife	145608-0-01			147981-0-01		

Ref. No.	Name of Parts	Sub Class Motor Spec. Destination	503				505			
			Brother		Efka	Germany, France	U.S.A., Canada	Brother		Efka
A- 2	Oil Cap				104449-0-01					104449-0-01
A- 4	Face Plate				148330-0-01					148330-0-01
A- 6	Screw									
A- 7	Face Plate Thread Guide									
A- 8	Oil Stopper Plate Assembly				181641-0-01					181641-0-01
A-20	Pretension Assembly									
A-21	Rear Cover				148452-0-01					148452-0-01
A-32	Tension Regulator Assembly				181473-0-01					181635-0-01
A-32-2	Tension Spring				104525-0-01					145153-0-01
A-32-6	Thread Take-up Spring				100399-0-01					145519-0-01
A-33	Tension Release Pin									
A-37	Oil Cap				142274-0-01					142274-0-01
A-40	Needle Plate				145971-0-01					147245-0-01
B- 4	Thread Take up Lever Assembly				116732-0-01					116732-0-01
B- 4-3	Needle Roller Bearing				116735-0-00					116735-0-00
B- 4-5	Cap				145600-0-00					145600-0-00
B- 4-9	Needle Bar Connector				140353-0-01					140353-0-01
B-12	Needle Bar			145467-0-01		147518-0-01	145467-0-01			145986-0-01
B-14	Needle Bar Bushing Lower				117243-0-01					142116-0-01
B-16	Needle Bar Thread Guide				145944-0-01					145944-0-01
B-18	Needle			100265-0-34		107415-0-14	100265-0-34			100265-0-42
B-22	Thread Take-up Crank				142782-0-00					111465-0-00
B-45	Pulley				148823-0-01					148823-0-01
C- 5	Feed Dog				100334-0-01					144500-0-01
C-18	Lower Shaft				145517-0-01					145517-0-01
C-19	Felt				145751-0-01					145751-0-01
C-22	Screw				009681-0-12					009681-0-12
C-23	Bobbin Case Assembly				148350-1-01					148350-1-01
C-24	Bobbin Case Sheet									
C-26	Rotary Hook Assembly				145585-1-01					145585-1-01
C-27	Oil Stopper Assembly									
C-47	Bobbin Presser Spring				148967-1-01					148967-1-01
D- 4	Eccentric Wheel				180792-0-01					145269-0-01
D-11	Spring				145643-0-01					145643-0-01
D-15	Reverse Lever Assembly				181714-0-01					181714-0-01
D-15-4	Reverse Lever				148458-0-01					148458-0-01
E-12	Presser Foot				140957-0-01					145157-0-01
E-13	Hinge Screw									
E-14	Tension Release Lever									
E-15	Tension Release Lever Spring									

Ref. No.	Name of Parts	Sub Class Motor Spec Destination	503				505			
			Brother		Efka		Brother		Efka	
					Germany, France	U.S.A., Canada				
E-24	Washer				025350-1-34					
E-25	Finger Guard				150384-0-01					
F-25	Oil Pan Assembly			181430-2-01				181430-2-01		
F-25-1	Oil Pan			149581-0-01				149581-0-01		
F-25-3	Knee Lifter Shaft			146069-0-01				146069-0-01		
F-25-8	Spring			146985-0-01				146985-0-01		
G-9	Screw									
G-10	Tension Release Solenoid Assembly		147107-0-01				147107-0-01			
G-13	Supporter									
G-14	Connector Cap		146119-0-00				146119-0-00			
G-15	Nylon Connector		145681-0-00				145681-0-00			
G-18	Thread Trimming Solenoid Assembly		146014-0-01				146014-0-01			
G-32	Movable Knife			145608-0-01				147981-0-01		
G-34	Spacer			145611-0-00				146187-0-00		
G-44	Rotary Solenoid			148852-0-01		151247-0-01		148852-0-01		
G-45	Thread Trimming Solenoid			146910-0-01		151187-0-01		146910-0-01		
G-46	Tube Holder									
G-47	Cord Holder			148462-0-01				148462-0-01		
G-48	Cord Holder									
G-49	Cord Holder									
H-2	Synchronizer Assembly		218931-0-01				218931-0-01			
H-3	Synchronizer Holder Bar			218944-0-01				218944-0-01		
H-5	Holder			216332-0-01				216332-0-01		
H-6	Slip Ring Support			148825-0-01				148825-0-01		
J-5	Cord		146095-0-00				146095-0-00			
J-27	Switch		146121-0-00				146121-0-00			
J-31	Cord			146912-0-00		151183-0-01		146912-0-00		
J-32	Switch			146913-0-00		151185-0-01		146913-0-00		
K-5	Reverse Solenoid Assembly									
K-6	6P Connector									
K-7	Connector Cap									
K-33	Reverse Solenoid									
Z-6	Needle		100265-0-34		107415-0-14	100265-0-34		100265-0-42		
Z-8	Bobbin Case Sheet									
Z-20	Belt Cover Assembly			147895-0-11				147895-0-11		
Z-21	Needle Plate			100266-0-01				100266-0-01		
Z-22	Screw									
Z-24	Cotton Stand Assembly		150150-0-01		150150-0-01			150150-0-01		
Z-25	Movable Knife			145608-0-01				147981-0-01		

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
001639-3-12	G - 9		025680-2-34	Z -28		102538-0-02	F -14		114561-0-01	A -42- 1	
001670-5-14	J -22		025750-1-32	Z -20- 3		102630-0-01	B -19		114931-0-01	A -17	
001670-8-14	E -11		028030-2-43	L - 1-11		102631-0-01	B -21		114966-0-01	E -23- 7	
002301-0-03	L - 1-14			M-16		102707-0-02	J -17		114967-0-01	E -23- 6	
002303-0-06	M-14		028040-2-43	L - 1-19		102716-0-02	J -14		115018-0-01	L - 4	
002401-2-03	L - 1-20		028050-2-43	L - 1- 8			A -20- 5		115244-0-01	B -45	
002501-0-64	L - 1- 6			Z -24-11		102716-0-03	G - 1		115663-0-01	C - 3	
007500-8-12	K - 8		028060-2-40	M - 1		103950-0-02	A -34		116732-0-01	B - 4	
007501-2-02	K - 1		028060-2-42	K -10		104449-0-01	A - 2		116735-0-00	B - 4- 3	
008400-5-64	L - 1- 2		028060-2-43	H - 2-14			A -10		116766-0-01	C - 7	
009660-7-12	G -29		028680-2-42	Z -20- 5		104450-0-01	A -11			C -39	
009670-5-12	A - 9		031452-2-03	Z -24-17		104464-0-01	B -23		116768-0-01	C -42	
	F - 4		031483-2-03	L - 3		104478-0-01	B -46		116780-0-01	C -26	
009670-5-13	K -25		045161-0-00	E -20		104520-0-00	C -37		116794-0-01	C -30	
009670-6-12	B -20		047300-8-42	G -21		104525-0-01	A -32- 2		116799-0-01	B - 7	
	G -12		048025-3-42	J - 9		104546-0-01	F -13		116917-0-01	C - 1	
009670-6-14	A -35		048030-3-42	G -25		104547-0-01	F -12		116919-0-01	C -16	
009670-8-12	A -22		048040-3-42	D -23- 2		104555-0-01	B -29		116920-0-01	C - 9	
	F -26- 9			K - 3		104564-0-01	D -15- 1		117242-0-01	B - 1	
009671-0-13	A - 1			K -21		104566-0-01	F -23		117243-0-01	B -14	
	J - 6			K -28		104619-0-02	E -23- 3		117963-0-01	Z -10	
009671-8-13	A - 3			M - 4		104821-0-01	A -12		117969-0-01	Z -10-16	
009679-3-12	F -22		048070-3-42	D - 8		104829-1-01	A -38		117970-0-01	Z -10- 5	
	G -30		048080-3-42	J -26		104830-1-01	A -39		118672-0-01	A -30	
	Z -10-20		081002-6-70	B -28		104832-0-01	A -24		118673-0-01	A -21	
009680-6-12	G -17		081007-0-70	F -25-11		104833-0-01	A -37		118675-0-01	A -25	
	G -38		081014-6-70	F -11		104885-0-01	F -25- 6		118713-0-01	D -18	
009680-6-13	Z -27		100022-0-04	F -25- 5		104908-0-01	C -11		118725-0-01	D - 5	
009680-7-12	G -20		100032-0-03	A -41		105234-0-01	A -49		118727-0-01	D -23	
009680-7-13	A -14		100080-0-03	C - 4			D - 7- 3		118729-0-01	D -23- 4	
	E - 7		100134-0-01	A -32- 3		106120-0-03	Z -22		118730-0-01	D -23- 1	
	F -29		100136-0-02	A -32- 1		106436-0-01	C -19		118731-0-01	D -23- 8	
009680-7-14	D -16		100251-0-01	B -24		107155-0-01	C -35		118732-0-01	D -23- 6	
009680-8-12	J - 3			B -33- 1		107407-0-03	C -22		118733-0-01	D -23- 7	
	Z -20- 4			B -35- 2		107415-0-14	B -18		118734-0-01	D -24	
009681-0-12	C -22			B -41- 1			Z - 6		118735-0-01	D -26	
009681-0-13	G - 7			C -38- 1		107415-0-18	B -18-Z-6		118736-0-01	D -21	
009681-2-12	C -12			C -40		108520-0-01	A -26		118737-0-01	D -23- 3	
	C -43			E -19- 1		108549-0-01	D -14- 2		118740-0-01	D -22	
009681-4-12	C -45- 2		100260-0-01	B - 2		108749-0-01	D -30		118744-0-01	D - 7- 1	
009681-4-14	J -19			B -13		108801-0-01	F -20		118746-0-01	D - 9	
	J -24		100265-0-34	B -18		108802-0-01	F -24		118747-0-01	D -31	
009711-2-12	C -14			Z - 6		108804-0-01	F - 1		118748-0-01	D -28	
009711-4-12	H - 4		100265-0-41	B -18-Z-6		108809-0-01	B -11		118751-0-01	D -15- 2	
009761-4-12	K - 9		100265-0-42	B -18		108960-0-02	A - 6		118752-0-01	D -15- 4	
009781-4-12	H - 1			Z - 6		109144-0-01	E -16- 1		118753-0-01	D -11	
013679-4-12	K -24		100266-0-01	A -40		109145-0-01	E -18		118758-0-01	D - 2	
013760-6-10	B -37			Z -21		109151-1-01	D -14- 1		118759-0-01	B -38	
	B -42		100267-0-01	A -40		109153-0-01	D -33		118761-0-00	C -28	
013761-4-10	B - 3			Z -21		109160-0-01	C -18		118762-0-00	C -32	
	B -26		100290-0-01	E -16-3		109163-0-01	E -13		118770-0-01	B - 5	
	B -30		100294-0-01	E -16-2		109171-0-01	F -21		118778-0-01	A -23	
	B -39		100327-0-01	D -13		109173-0-01	C -20		118821-0-01	B -27	
	B -44		100328-0-01	D -12		109195-0-01	A - 5		118837-0-01	Z - 3	
014680-6-22	G -41			F -19		109405-0-01	F - 2		118845-0-01	C - 2	
015771-0-12	D -15- 3		100334-0-01	C - 5		109714-0-00	Z -12		118865-0-01	D -17	
017502-8-03	Z -24- 2		100366-0-02	Z -10- 2		110087-0-01	E -23- 5		118996-0-00	F -15	
	Z -24-14		100369-0-01	C -23		110367-0-01	B - 9		120263-0-01	G - 5	
017762-0-13	E -23- 2		100398-0-01	A -32- 5		110436-0-01	Z - 1		121007-0-01	C -36	
	M - 6		100399-0-01	A -32- 6		111237-0-01	B - 4- 7		121823-0-01	G -11	
021300-1-03	L - 1-10		100401-0-01	Z -10- 9		111443-0-01	J -16		122771-0-01	A -42- 2	
	M -17		100402-0-04	A -32- 9		111455-0-01	A - 4		124918-0-01	A -19	
021400-1-03	L - 1-23		100405-0-01	E -15		111459-0-01	B -25		140004-0-01	B - 4- 8	
021500-1-03	Z -24- 6-3		100463-0-01	E -23- 4		111462-0-01	B -12		140353-0-01	B - 4- 9	
	Z -24-12			M - 9		111465-0-00	B -22		140356-0-01	C -24	
021500-1-63	L - 1- 9		100477-0-01	Z -17		111466-0-01	E -10			Z - 8	
021660-1-02	A -52		100573-0-01	B -15		111467-0-01	E - 9		140357-0-01	B - 8	
021680-2-02	E -17- 1		100657-0-01	Z -10- 6		111468-0-01	B - 4- 1		140407-0-01	E - 5	
025030-1-33	L - 1-13		100659-0-01	Z -10-14		111469-0-01	E - 8		140412-0-01	B - 6	
025030-2-33	M -15		100661-0-01	Z -10-18		111470-0-00	E -14		140480-0-01	F -25- 9	
025030-3-35	H - 2- 3		100662-0-01	Z -10-22		111476-0-01	A - 7		140503-0-01	E -23- 8	
025040-1-33	L - 1-24		100666-0-02	Z - 9		111863-0-01	B -10		140518-0-01	F -25-12	
025040-1-35	H - 2-10			Z -20- 2		111865-0-01	A -13		140538-0-00	L - 1-18-2	
	H - 2-17		100887-0-01	Z - 5			C - 6		140539-0-00	L - 1-18-5	
025040-3-35	G -22		101482-0-01	D - 3		112072-0-01	D -10		140540-0-00	L - 1- 4	
	H - 2- 6		101487-0-01	B -47		112467-0-02	F -26- 4		140543-0-00	L - 1-18-6	
025050-2-33	Z -24- 3		101572-1-01	Z - 4		112525-0-00	Z -11		140553-0-01	B -17	
	Z -24-15		101706-0-01	B -38- 2		112775-0-01	B -16		140627-0-01	M - 5	
025060-3-35	H - 2-15			C - 8		112782-0-01	A - 2		140643-0-00	J -27- 1	
025100-1-30	D -27			C -17		113280-0-01	E -12		140647-0-01	G -13	
025350-1-34	E -24			C -41- 2		113316-0-01	A -36		140668-0-01	M - 7	
025680-1-33	G -42			C -46		114294-0-01	A -32- 7		140678-0-00	L - 1- 5-5	
025680-2-34	A -50		101706-0-03	C -34- 2		114483-0-01	Z -19		140682-0-01	L - 1-18-1	

Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark	Parts No.	Ref. No.	Remark
140704-0-01	A-29		145595-0-01	G-16		146206-0-01	A-45		150150-0-01	Z-24	
140726-0-00	B-31		145596-0-01	G-14		146288-0-01	J-21		150172-0-01	Z-24-5	
140757-0-01	C-21			K-7		146290-0-01	C-25		150173-0-01	Z-24-6-1	
140885-0-01	A-15		145600-0-00	B-4-5			Z-7		150177-0-01	Z-24-13	
140948-0-01	M-13-5		145601-0-01	G-36		146293-0-01	F-25-2		150179-0-01	Z-24-7	
140950-0-00	M-13-6		145608-0-01	G-32		146319-0-01	F-16		150180-0-00	Z-24-10	
140957-0-01	E-12			Z-25		146323-0-00	F-18		150181-0-01	Z-24-16-2	
141168-0-01	E-21		145610-1-01	G-34		146324-0-01	F-17		150182-0-00	Z-24-9	
141207-0-01	E-1			G-35		146326-0-01	F-9		150189-0-01	Z-24-16-1	
141208-0-01	E-3		145611-0-00	G-34		146329-0-00	F-8		150192-0-01	Z-24-4	
141331-0-01	K-16		145617-0-01	G-28		146331-0-01	B-43		150202-0-01	Z-24-6-2	
141343-0-02	K-11		145618-0-01	G-26		146360-0-02	K-15		150384-0-01	E-25	
141494-0-01	K-17		145619-0-01	G-27		146367-0-01	F-25-7		150553-0-01	K-13	
141542-0-01	G-33		145620-0-01	G-24		146910-0-01	G-45		151181-0-01	K-33	
	Z-26		145621-0-01	G-23		146912-0-00	J-31		151183-0-01	J-31	
141598-0-01	K-31		145623-0-01	G-31		146913-0-00	J-32		151185-0-01	J-32	
141728-0-01	E-4		145624-0-00	B-4-4		146985-0-01	F-25-8		151187-0-01	G-45	
142014-0-01	E-17		145643-0-01	D-11			M-11		151247-0-01	G-44	
142015-0-01	E-17-2		145681-0-00	G-15		146986-0-01	M-10		151507-0-01	D-14-6	
142017-0-01	E-17-3		145737-0-01	F-5		147060-0-01	Z-24-8		151601-0-02	C-27-2	
142018-0-01	E-17-5		145751-0-01	C-19		147106-0-01	G-4			D-19	
142037-0-00	L-1-18-7		145792-0-01	F-6		147107-0-01	G-10			D-20	
142038-0-01	L-1-18-8		145933-0-01	G-37		147110-1-01	G-6			D-23-5	
142116-0-01	B-14		145944-0-01	B-16		147141-0-01	M-2			D-32	
142268-0-01	G-46		145945-0-01	Z-30		147245-0-01	A-40		151602-0-02	A-16	
142274-0-01	A-37		145946-0-01	Z-29			B-18		151603-0-02	C-29	
142349-0-00	L-1-5-2		145971-0-01	A-40		147518-0-01	B-12			F-7	
142443-0-01	Z-2			B-18		147551-0-01	B-4		151604-0-01	B-32-1	
			145986-0-01	B-12		147697-0-01	G-40			D-1-2	
142572-0-01	C-44		145990-0-01	Z-31		147754-0-01	K-4			D-4-2	
142573-0-01	C-13		146003-1-01	Z-13		147756-0-01	K-5			D-6	
142708-0-00	B-36		146004-0-01	Z-14		147757-0-01	K-33			D-25	
142709-0-00	B-40		146014-0-01	G-18		147777-0-00	B-4-3			D-29-2	
142746-0-02	D-14-4		146036-1-01	F-25-3		147846-0-01	E-2			E-6-2	
142747-0-02	D-14-5		146037-0-01	F-25-4		147855-0-01	Z-20-8		151607-0-01	C-33	
142756-0-01	E-19		146038-0-01	F-25-8		147856-0-01	Z-20-7			D-7-2	
142782-0-00	B-22		146039-0-01	E-23-1		147895-0-11	Z-20		153111-0-01	A-43	
143196-0-01	F-10			M-8		147946-0-01	G-43		153142-0-01	D-7	
143488-0-01	M-13-1		146040-0-01	F-25-13		147981-0-01	G-32		153168-0-01	D-14-3	
143489-0-01	M-13-2		146049-0-01	Z-32			Z-25		180018-0-01	A-42	
143549-0-00	G-10-2		146055-0-01	A-51		148286-0-01	C-15		180022-0-01	B-33	
	G-18-3		146058-0-01	A-46		148302-0-01	A-8-1		180102-0-01	E-6	
	J-27-3		146059-0-01	A-47		148327-0-01	G-2		180321-0-01	C-41	
	K-5-5		146060-0-00	A-48		148330-0-01	A-4		180322-0-01	C-45	
	M-13-3		146065-0-00	A-33		148339-0-01	G-3		180791-0-01	D-1	
143882-0-01	Z-15		146069-0-01	F-25-3		148350-1-01	C-23		180792-0-01	D-4	
143910-0-01	Z-16		146079-0-01	J-12		148451-0-01	G-8		180957-0-01	B-35	
143959-1-03	L-1-5		146080-0-00	G-19		148452-0-01	A-21		180959-0-01	B-41	
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144189-0-01	M-18			J-29		148454-0-01	K-18		181420-2-01	F-25	
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144500-0-01	C-5		146082-0-00	J-2		148456-0-01	K-12		181430-2-01	F-25	
144502-0-01	A-20		146086-0-01	J-7		148458-0-01	D-15-4		181473-0-01	A-32	
14504-0-01	A-20-4		146087-0-01	J-8		148459-0-01	D-11		181476-1-01	F-26	
	A-44		146088-0-01	J-10		148461-0-01	J-30-1		181482-0-01	D-14	
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144712-0-01	D-5-1		146090-0-01	J-13			G-49		181635-0-01	A-32	
144741-0-01	A-23-8		146091-0-01	J-15		148465-0-00	K-2		181639-0-01	A-8	
144868-0-01	B-34		146092-0-01	J-20		148467-0-01	K-20		181641-0-01	A-8	
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144878-0-01	F-26-1		146114-0-01	K-23		148852-0-01	G-44		206755-0-00	L-1-21	
144943-0-01	C-27		146115-0-00	K-22		148853-0-01	K-29		215080-0-01	H-2-9	
145153-0-01	A-32-2		146118-0-00	K-6		148854-0-01	K-32			H-2-16	
145157-0-01	E-12		146119-0-00	G-14		148856-0-01	G-48		215083-0-01	H-2-2	
145268-0-01	B-12		146121-0-00	J-27		148965-0-00	B-22		216332-0-01	H-5	
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145446-0-01	A-32-4		146125-0-01	J-25					218931-0-01	H-2	
	Z-10-10		146128-0-00	J-30-2		149543-0-01	L-1-18		218941-0-01	H-2-12	
145465-0-01	B-4-6		146148-0-01	K-27		149544-0-01	L-1-18-3		218944-0-01	H-3	
145466-0-01	B-4-9		146149-0-01	K-30		149545-0-01	L-1-22		218953-0-01	H-2-18	
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145517-0-01	C-18		146160-0-01	M-13		149578-0-00	F-25-10		148460-0-01	J-30	
145519-0-01	A-32-6		146161-0-00	M-13-4		149580-0-01	F-25-1		181936-0-01	C-23-3	
145524-0-01	A-53		146171-0-00	L-1-3		149581-0-01	F-25-1		181937-0-01	C-23-1	
145534-0-01	C-31		146187-0-00	G-32		149709-0-01	G-39		181938-0-01	C-23-2	
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