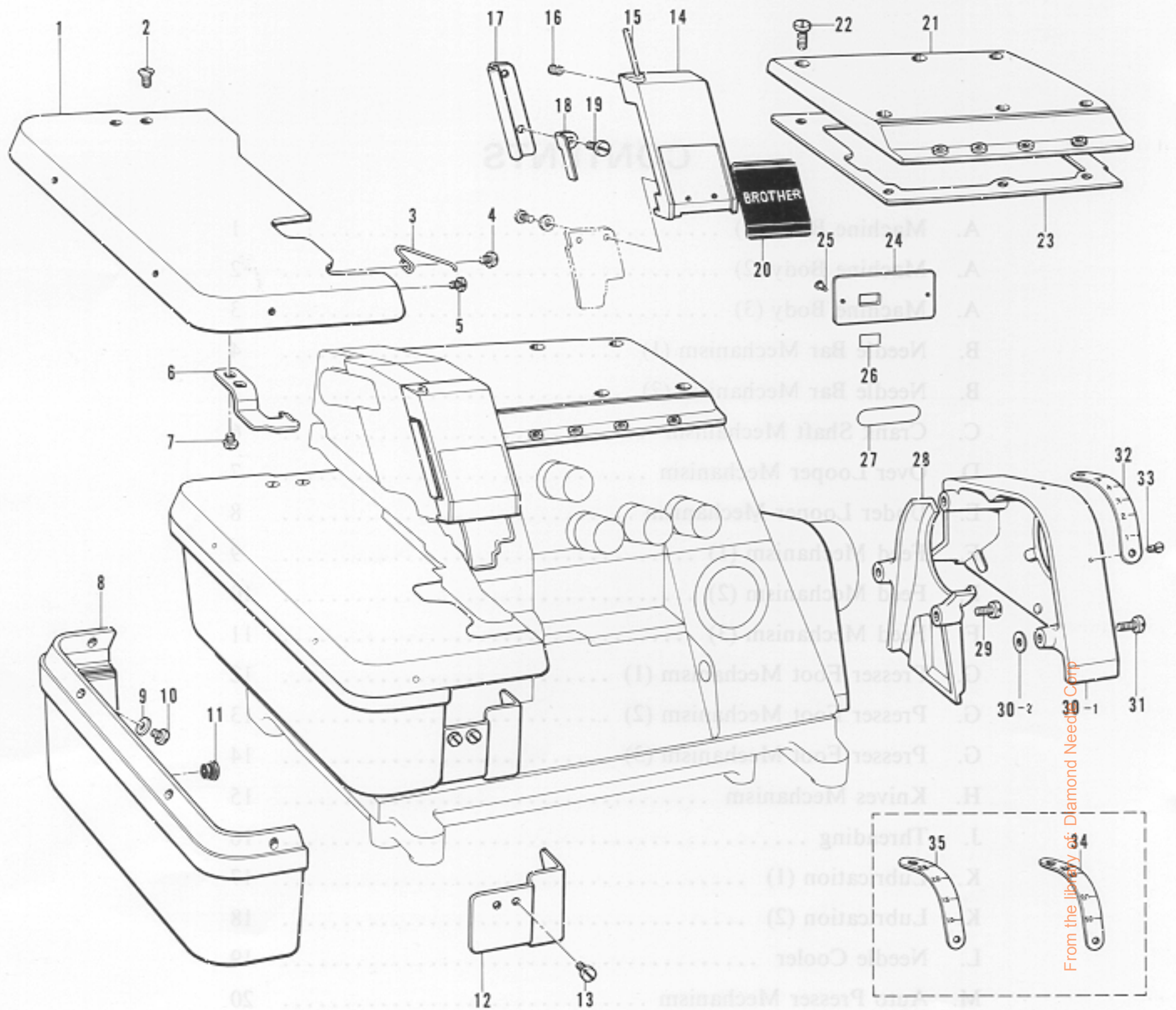


# A. Machine Body (1)

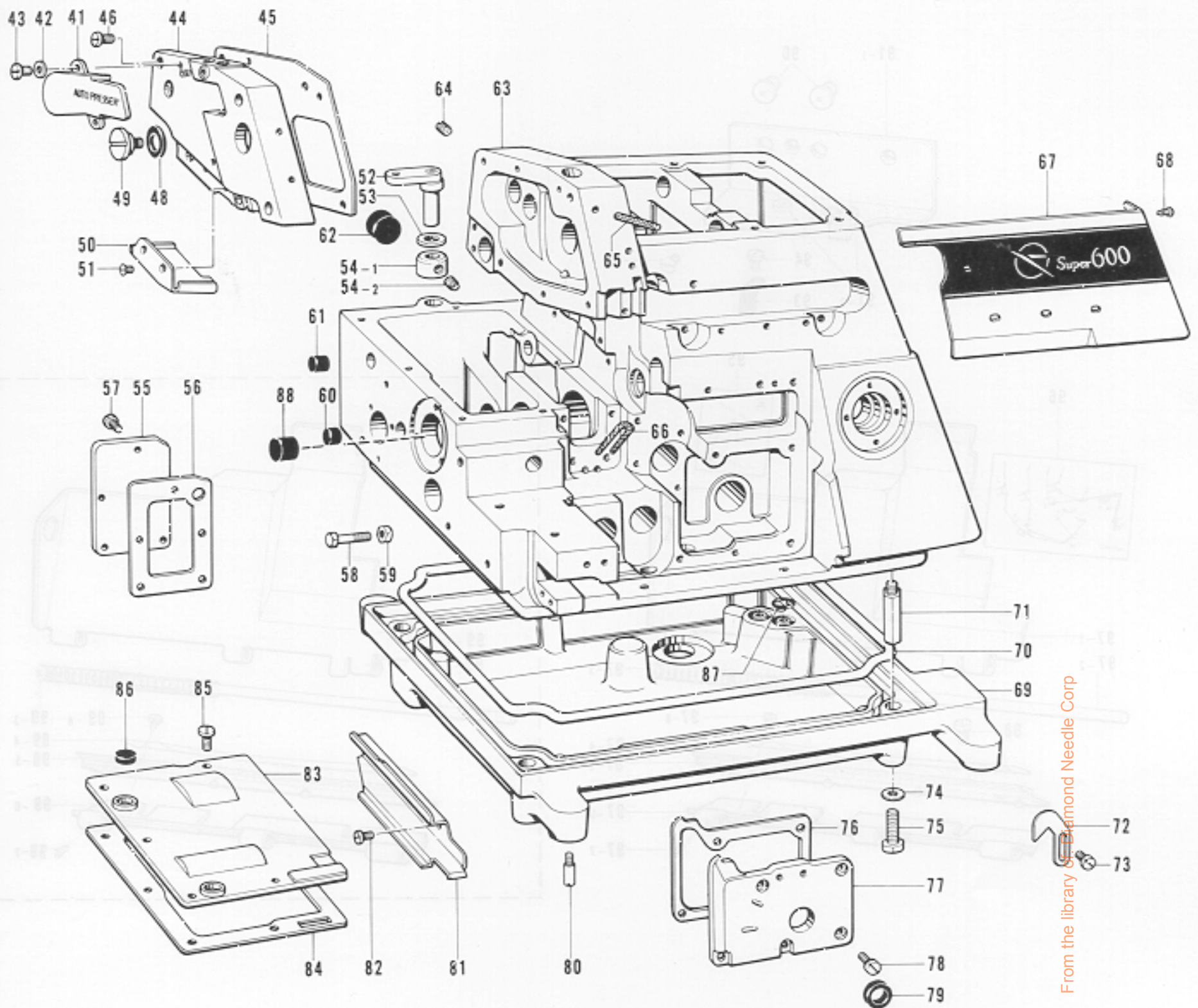


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A-1	Cloth Plate	1	154830-0-01		A-20	Name Plate	1	154815-0-01	
A-2	Screw 4.37	2	100032-0-03		A-21	Top Cover	1	154798-0-01	
A-3	Spring	1	146450-0-01		A-22	Screw 4.37 x 12	6	009681-2-12	
A-4	Screw 3.57 x 5	1	001670-5-12		A-23	Packing	1	154800-0-00	
A-5	Screw 3.57 x 5	1	007670-5-13		A-24	Model Plate 621	1		
A-6	Stopper for Cloth Plate	1	154837-0-01		A-25	Pin	2		
A-7	Screw 3.57 x 5	2	001670-5-12		A-26	Label	1		
A-8	Cloth Plate Lower	1	154834-0-01		A-27	Parts Book Number Plate	1		
A-9	Washer	4	025350-3-32		A-28	Fan Case	1	154806-0-00	
A-10	Screw 3.57 x 6	4	001670-6-12		A-29	Screw 4.37 x 10	2	009681-0-12	
A-11	Oil Cap	2	104450-0-01		A-30-1	Belt Cover	1		A-30 Belt Cover Assembly 155519-0-01
A-12	Front Cover Guide	1	154821-0-01		A-30-2	Washer	2	155520-0-01	
A-13	Screw 3.57 x 6	2	009670-6-12		A-31	Screw 4.37 x 10	2	009681-0-12	
A-14	Face Plate Cover	1	154811-0-01		A-32	Stitch Length Control Plate	1	154808-0-01	
A-15	Pin for Face Plate	1	154813-0-00		A-33	Screw 2.38	2	105288-0-01	
A-16	Screw 3.18	1	146427-0-01		A-34	Stitch Length Control Plate	1	154810-0-01	
A-17	Face Plate Cover-Hinge	1	154812-0-01		A-35	Stitch Length Control Plate	1	154809-0-01	
A-18	Spring	1	154814-0-01						
A-19	Screw 3.57 x 7	2	009670-7-12						



# A. Machine Body (2)

A. Machine Body (3)



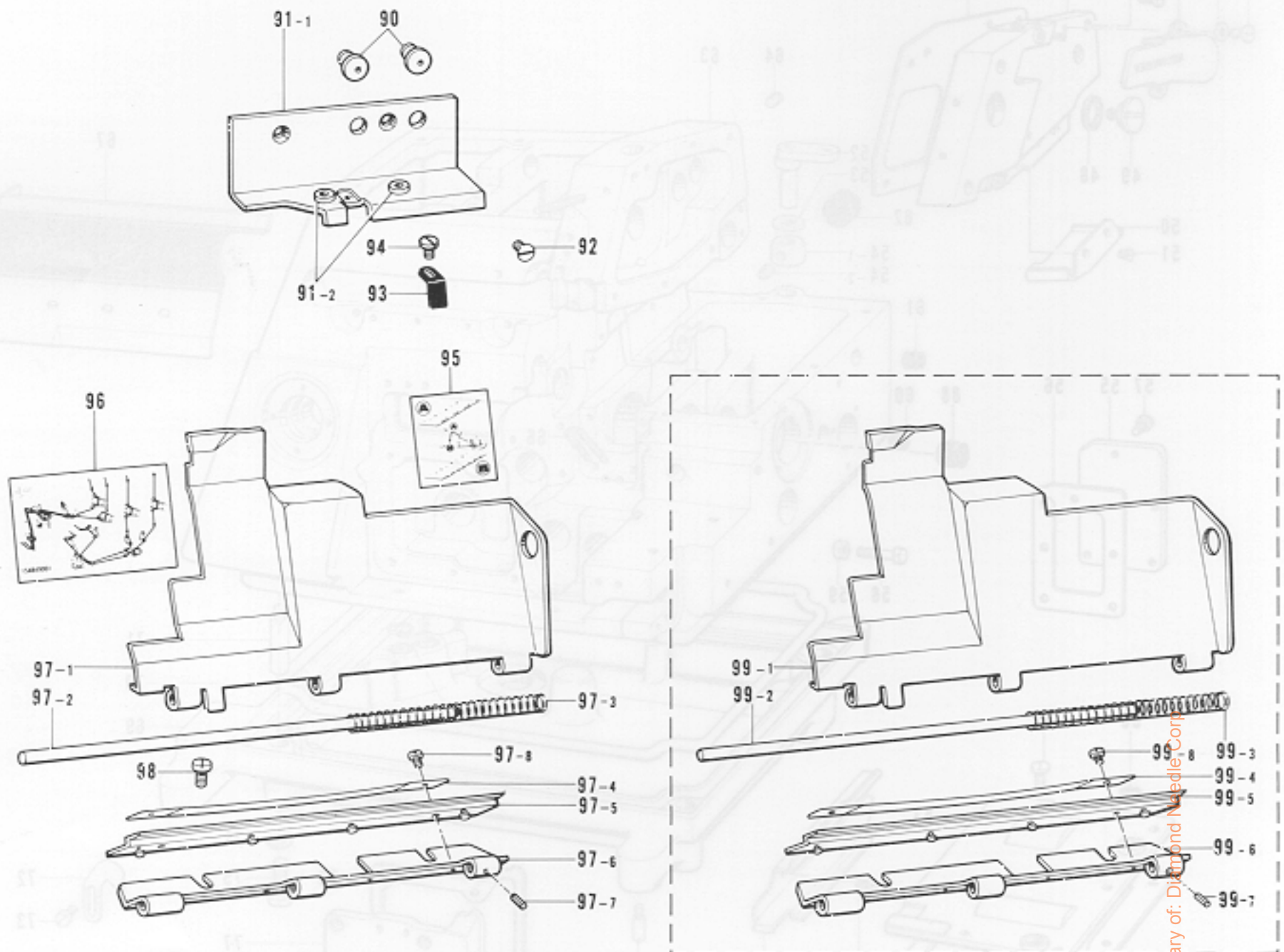
From the library of Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A-41	Auto Presser Arm Cover	1	154803-0-01		A-65	Wick 6 x 6 (15)	1	155555-0-00	
A-42	Washer	2	110735-0-02		A-66	Wick 4 x 4 (110)	1	112750-0-00	
A-43	Screw 4.37 x 7	2	009680-7-12		A-67	Emblem Plate	1	154836-0-01	
A-44	Cover for Needle Driving Mechanism	1	154801-0-01		A-68	Pin	2	124918-0-01	
A-45	Packing	1	154802-0-00		A-69	Oil Reservoir	1	154842-0-01	
A-46	Screw 4.37 x 7	6	009680-7-12		A-70	Packing	1	154843-0-00	
A-48	"O" Ring	1	109203-0-01		A-71	Machine Body Leg	4	148085-0-01	
A-49	Screw 9.52	1	110641-0-02		A-72	Adjusting Plate	1	155552-0-01	
A-50	Cloth Guide (S)	1	154838-0-01		A-73	Screw 3.57 x 6	2	009670-6-12	
A-51	Screw 3.57	2	108960-0-02		A-74	Washer	4	118735-0-02	
A-52	Cloth Plate Supporter	1	154831-0-01		A-75	Bolt 6.35 x 16	4	017771-6-12	
A-53	Washer	1	141183-0-00		A-76	Packing	1	154820-0-00	
A-54-1	Set Collar	1		A-54 Collar Assembly 181969-0-03	A-77	Inside Cover	1	154819-0-00	
A-54-2	Screw 6.35	2	101706-0-01		A-78	Screw 3.57 x 8	5	009670-8-12	
A-55	Cover for Feed Mechanism	1	154804-0-01		A-79	Seal	1	155247-0-00	
A-56	Packing	1	154805-0-00		A-80	Set Pin Cushion	4	140077-0-01	
A-57	Screw 4.37	5	107407-0-03		A-81	Cloth Guide (L)	1	154837-0-01	
A-58	Bolt 4.37	2	154835-0-01		A-82	Screw 3.57 x 6	2	009670-6-12	
A-59	Nut	2	105234-0-03		A-83	Cover for Feed Mechanism	1	154817-0-01	
A-60	Oil Cap	1	146315-0-00		A-84	Packing	1	154818-0-00	
A-61	Oil Cap	1	146315-0-00		A-85	Screw 4.37 x 7	5	009680-7-12	
A-62	Oil Cap	1	140066-0-01		A-86	Oil Cap	2	143766-0-01	
A-63	Machine Body	1			A-87	"O" Ring	2	081011-0-70	
A-64	Screw 5.95	2	013760-6-12		A-88	Oil Cap	1	154841-0-01	



# A. Machine Body (3)

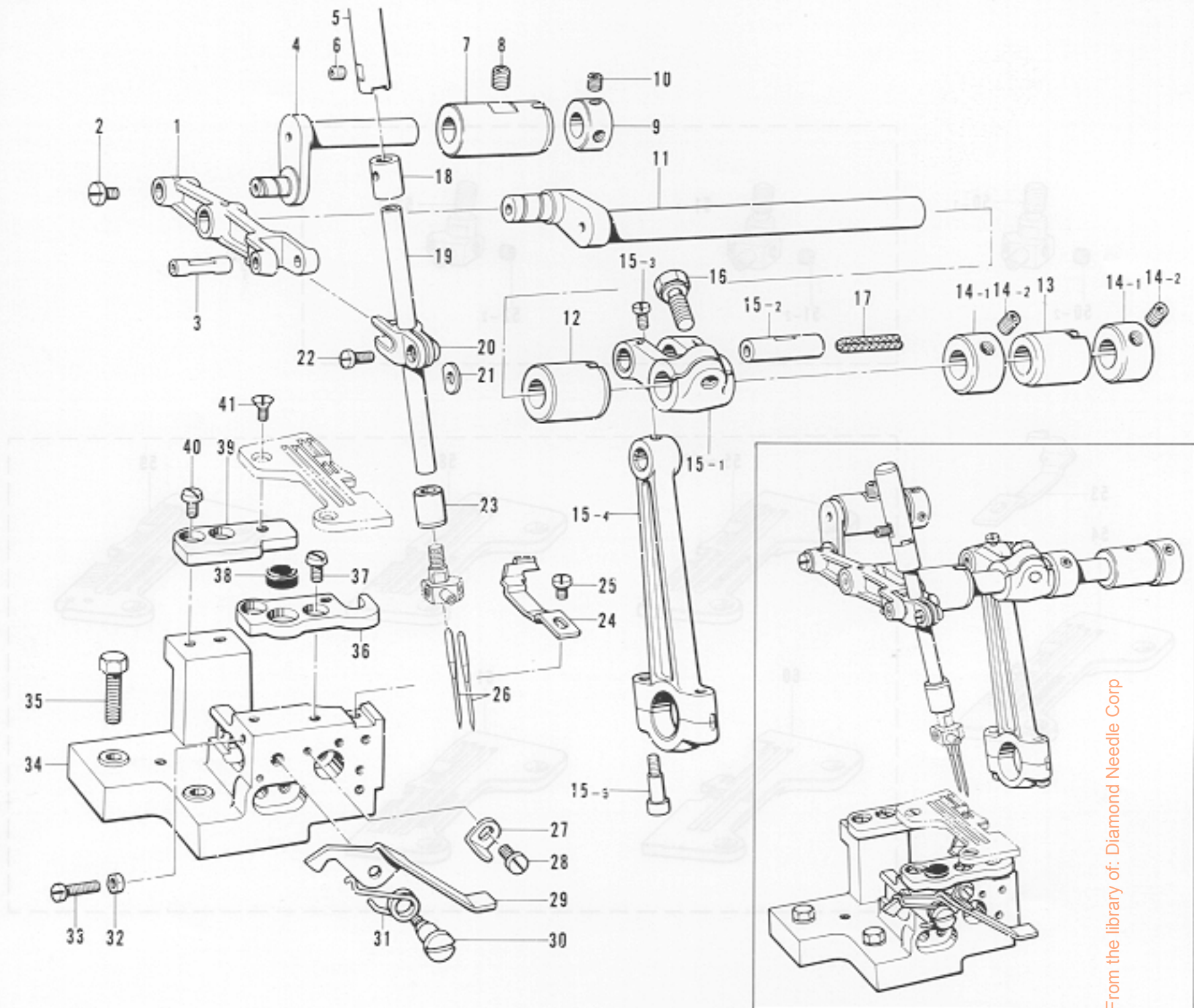
A. Machine Body (2)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
A-90	Oil Cap	2	143196-0-01		A-97-5	Hinge Cover	1	154856-0-00	A-97
A-91-1	Supporter for Front Cover	1		A-91	A-97-6	Front Cover Hinge	1	154854-0-01	Front Cover
A-91-2	Thread Bushing	2	146924-0-00	Supporter for Front Cover Assembly 154823-0-01	A-97-7	Spring Pin	1	047140-8-42	Assembly 154857-0-01
A-92	Screw 4.37	2	117160-0-01		A-97-8	Screw 3.57 x 4	2	009670-4-12	
A-93	Stopper Spring for Front Cover	1	154829-0-01		A-98	Set Screw 4.37 x 6	2	009680-6-12	
A-94	Screw 3.57 x 4.5	1	123185-0-01		A-99-1	Front Cover	1		
A-95	Looper Threading Label	1	155340-0-01		A-99-2	Shaft for Front Cover	1	154855-0-00	
A-96	Threading Diagram	1	154849-0-01		A-99-3	Spring	1	146442-0-01	
A-97-1	Front Cover	1		A-97	A-99-4	Hinge Cover Presser Plate	1	152194-0-01	A-99
A-97-2	Shaft for Front Cover	1	154855-0-00	Front Cover Assembly 154857-0-01	A-99-5	Hinge Cover	1	154856-0-00	Front Cover Assembly 154859-0-01
A-97-3	Spring	1	146442-0-01		A-99-6	Front Cover Hinge	1	154854-0-01	
A-97-4	Hinge Cover Presser Plate	1	152194-0-01		A-99-7	Spring Pin	1	047140-8-42	
					A-99-8	Screw 3.57 x 4	2	009670-4-12	



## B. Needle Bar Mechanism (1)



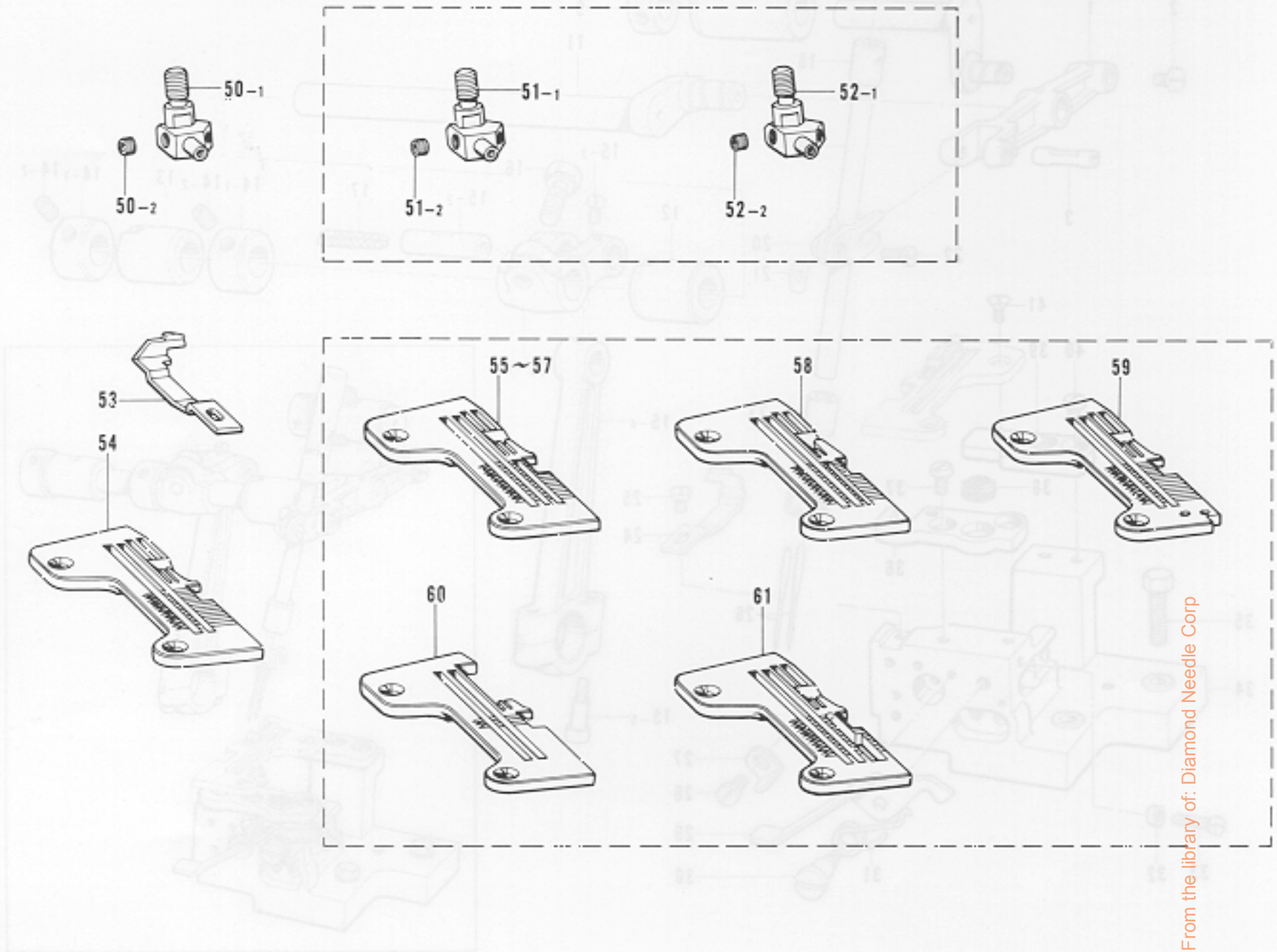
From the library of: Diamond Needle Corp

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 Arm	1	154897-0-01		B-19	Needle Bar	1	154902-0-01	
B-2	Screw 3.57	1	148834-0-01		B-20	Needle Bar Clamp	1	154900-0-01	
B-3	Pin	1	154899-0-01		B-21	Spacer	1	154901-0-01	
B-4	Needle Arm Supporter	1	154895-0-01		B-22	Screw 3.57 x 6	1	009670-6-12	
B-5	Needle Bar Cap	1	154903-0-01		B-23	Needle Bar Bushing (D)	1	154905-0-00	
B-6	Screw 3.18	1	146427-0-01		B-24	Needle Guard (F)	1	146777-0-01	
B-7	Needle Arm Bushing	1	154896-0-00		B-25	Screw 3.57 x 6	1	009670-6-12	
B-8	Screw 6.35	1	014780-6-22		B-26	Needle DC x 27 or DC x 3	2		
B-9	Collar	1	110197-0-01		B-27	Cloth Plate Lever Stopper	1	146454-0-01	
B-10	Screw 4.37	2	014680-4-22		B-28	Screw 3.57 x 6	1	009670-6-12	
B-11	Needle Bar Crank Shaft	1	154891-0-01		B-29	Cloth Plate Lever	1	154833-0-01	
B-12	Needle Bar Bushing (Left)	1	154894-0-00		B-30	Stud Screw 3.57	1	146453-0-01	
B-13	Needle Bar Bushing (Right)	1	154892-0-00		B-31	Spring	1	146452-0-01	
B-14-1	Set Collar	2		B-14 Collar Assembly 155863-0-01	B-32	Nut	1	021670-2-02	
B-14-2	Screw 5.95	4	152718-0-01		B-33	Screw 3.57 x 14	1	009671-4-12	
B-15-1	Needle Bar Crank Shaft Arm	1		*B-15 Needle Arm Driving Crank Rod Assembly 154888-0-01	B-34	Needle Plate Support Bracket	1	154927-0-01	
B-15-2	Pin	1			B-35	Bolt 6.35 x 20	2	017782-0-12	
B-15-3	Screw 4.37	1	100366-0-01		B-36	Needle Plate Supporter (F)	1	146494-0-01	
B-15-4	Needle Arm Driving Crank Rod	1			B-37	Screw 4.37 x 5	2	001680-5-12	
B-15-5	Screw 4.37 x 14	2	148425-0-01		B-38	Cloth Plate Cushion (B)	1	111486-0-01	
B-16	Bolt 6.35 x 16	1	149170-0-01		B-39	Needle Plate Supporter (B)	1	146495-0-01	
B-17	Wick 8 x 8 (52)	1	140320-0-00		B-40	Screw 4.37 x 5	2	001680-5-12	
B-18	Needle Bar Bushing (U)	1	154904-0-00		B-41	Screw 4.37	2	100032-0-03	



## B. Needle Bar Mechanism (2)

B. Needle Bar Mechanism (1)

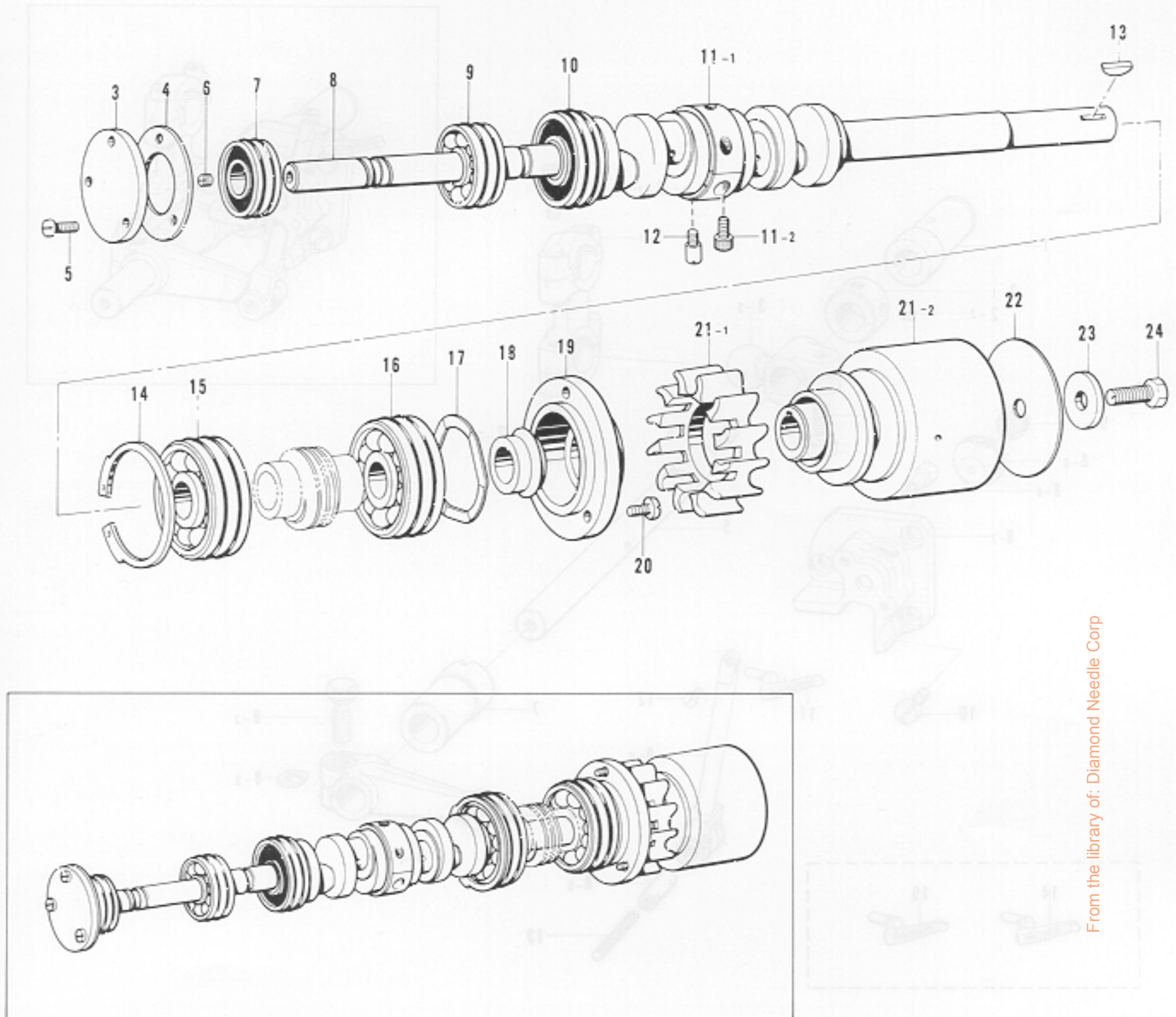


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
B-50-1	Needle Clamp 1.8	1		B-50 Needle Clamp 1.8 Assembly 154908-0-01	B-54	Needle Plate	1		
B-50-2	Screw 3.18	2	146427-0-01		B-55	Needle Plate	1		
B-51-1	Needle Clamp 2.2	1		B-51 Needle Clamp 2.2 Assembly 154912-0-01	B-56	Needle Plate	1		
B-51-2	Screw 3.18	2	146427-0-01		B-57	Needle Plate (Ruffling, Ruffling W/piping)	1		
B-52-1	Needle Clamp 3	1		B-52 Needle Clamp 3 Assembly 154912-0-01	B-58	Needle Plate (Denim)	1		
B-52-2	Screw 3.18	2	146427-0-01		B-59	Needle Plate (Backtacking)	1		
B-53	Needle Guard (F)	1	146778-0-01		B-60	Needle Plate (Piping)	1		
					B-61	Needle Plate (Bulky)	1		



## C. Crank Shaft mechanism

D. Over Loopec Mechanism



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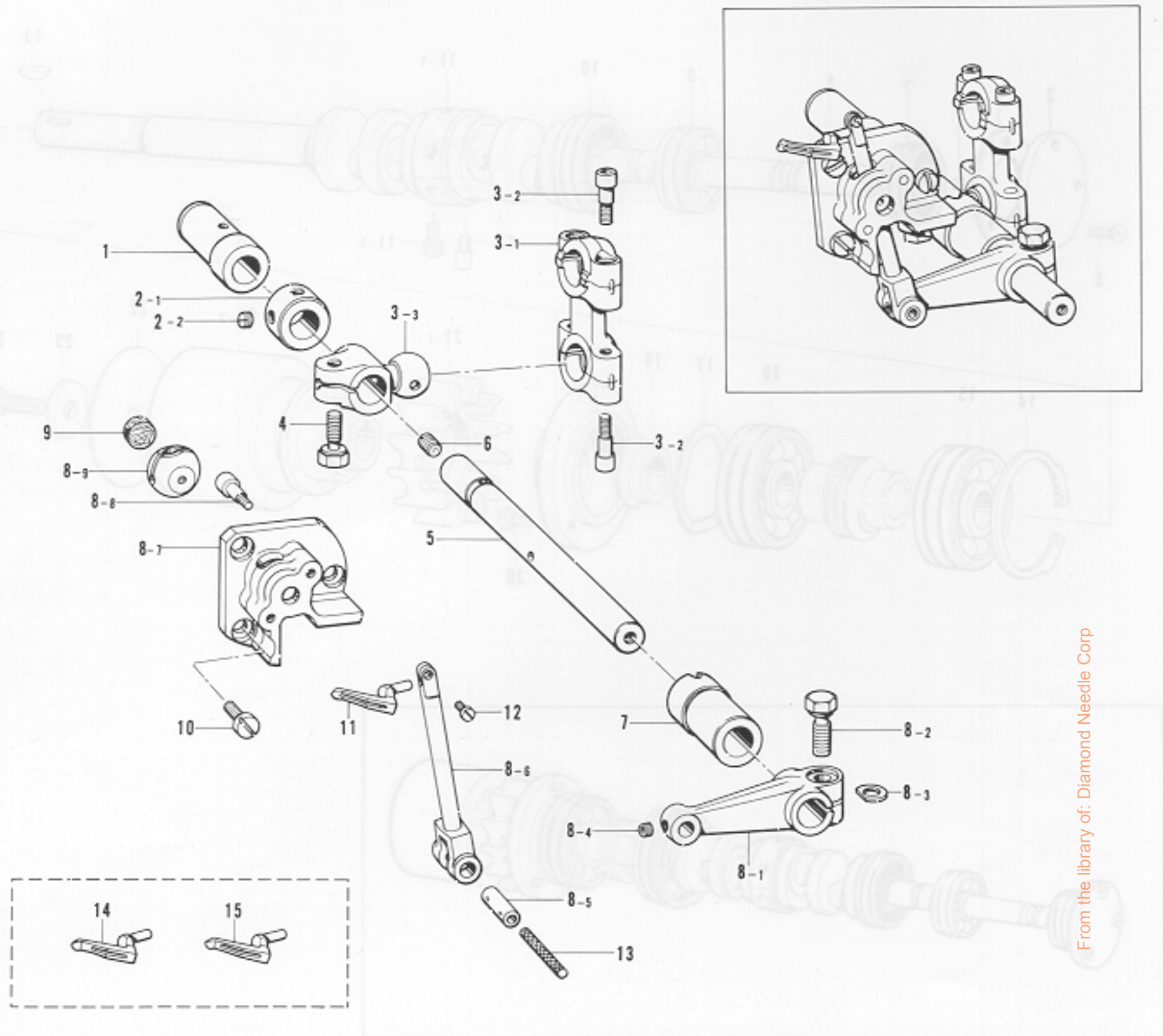
Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
C- 3	Bearing Cap	1	154868-0-01		C-14	Stop Ring	1	154876-0-01	
C- 4	Packing	1	154869-0-00		C-15	Bearing 6302	1	154877-0-01	
C- 5	Screw 3.57 x 8	3	009670-8-12		C-16	Bearing 6302Z	1	154878-0-01	
C- 6	Screw 4.76	1	013719-4-12		C-17	Spring	1	154880-0-01	
C- 7	Bearing 6001Z	1	154870-0-01		C-18	Oil Rejector	1	154879-0-00	
C- 8	Crank Shaft	1	*154865-0-01		C-19	Bearing Presser	1	154881-0-00	
C- 9	Bearing 6201Z	1	154871-0-01		C-20	Screw 4.37 x 10	3	009681-0-12	
C-10	Bearing 6202Z	1	154872-0-01		C-21-1	Fan	1	C-21 Pulley Assembly 154882-0-01	
C-11-1	Crank Shaft Bushing	1	C-11 Crank Shaft Bushing Assembly 154873-0-01		C-21-2	Pulley	1		
C-11-2	Screw 4.37 x 14	2		148425-0-01		C-22	Pulley Cover	1	154887-0-01
C-12	Screw 4.37	1	154875-0-01		C-23	Washer	1	154886-0-01	
C-13	Key	1	154885-0-01		C-24	Bolt 6.35 x 14	1	017771-4-12	

\* Crank Shaft Assembly (B-15, C-8, D-3, E-2, H-5) 155319-0-01



## D. Over Looper Mechanism

Crank Shaft Mechanism

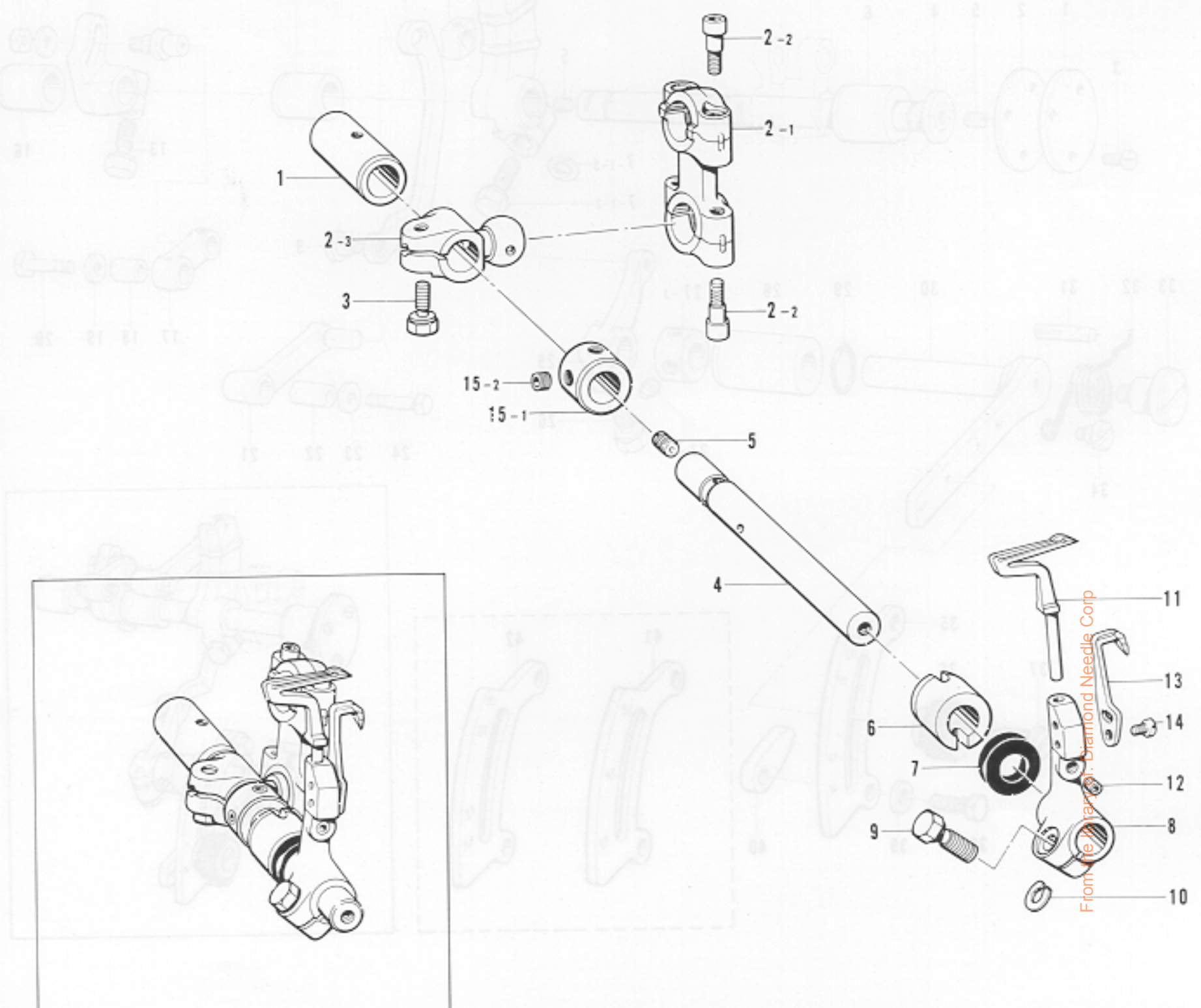


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
D- 1	Bushing (B)	1	155229-0-00		D- 8-3	Spacer	1	155162-0-01	
D- 2-1	Set Collar	1		D-2 Collar Assembly 155863-0-01	D- 8-4	Screw 3.57	1	148294-0-01	
D- 2-2	Screw 5.95	2	152718-0-01		D- 8-5	Over Looper Holding Shaft	1		D-8 Over Looper Assembly 155231-0-01
D- 3-1	Looper Connecting Rod	1		* D-3 Looper Connecting Rod Assembly 155225-0-01	D- 8-6	Over Looper Holder	1		
D- 3-2	Screw 4.37 x 14	4	148425-0-01		D- 8-7	Over Looper Holder Guide Base	1		
D- 3-3	Looper Connecting Lever	1			D- 8-8	Screw 4.37 x 14	2	148425-0-01	
D- 4	Bolt 6.35 x 14	1	155516-0-01		D- 8-9	Over Looper Holder Guide Block	1		
D- 5	Looper Shaft	1	155228-0-01		D- 9	Felt	1	155238-0-00	
D- 6	Screw 5.56	1	013750-5-12		D-10	Screw 4.37 x 8	3	009680-8-12	
D- 7	Bushing (F)	1	155230-0-00		D-11	Over Looper	1	155240-0-01	
D- 8-1	Over Looper Driving Lever	1		D-8 Over Looper Assembly 155231-0-01	D-12	Screw 3.18 x 6	1	009660-6-12	
D- 8-2	Bolt 6.35 x 16	1	149170-0-01		D-13	Wick 6 x 6 (32)	1	140417-0-00	
					D-14	Over Looper (Mock Safety S)	1	155242-0-01	
					D-15	Over Looper (Mock Safety H)	1	155243-0-01	



# E. Under Looper Mechanism

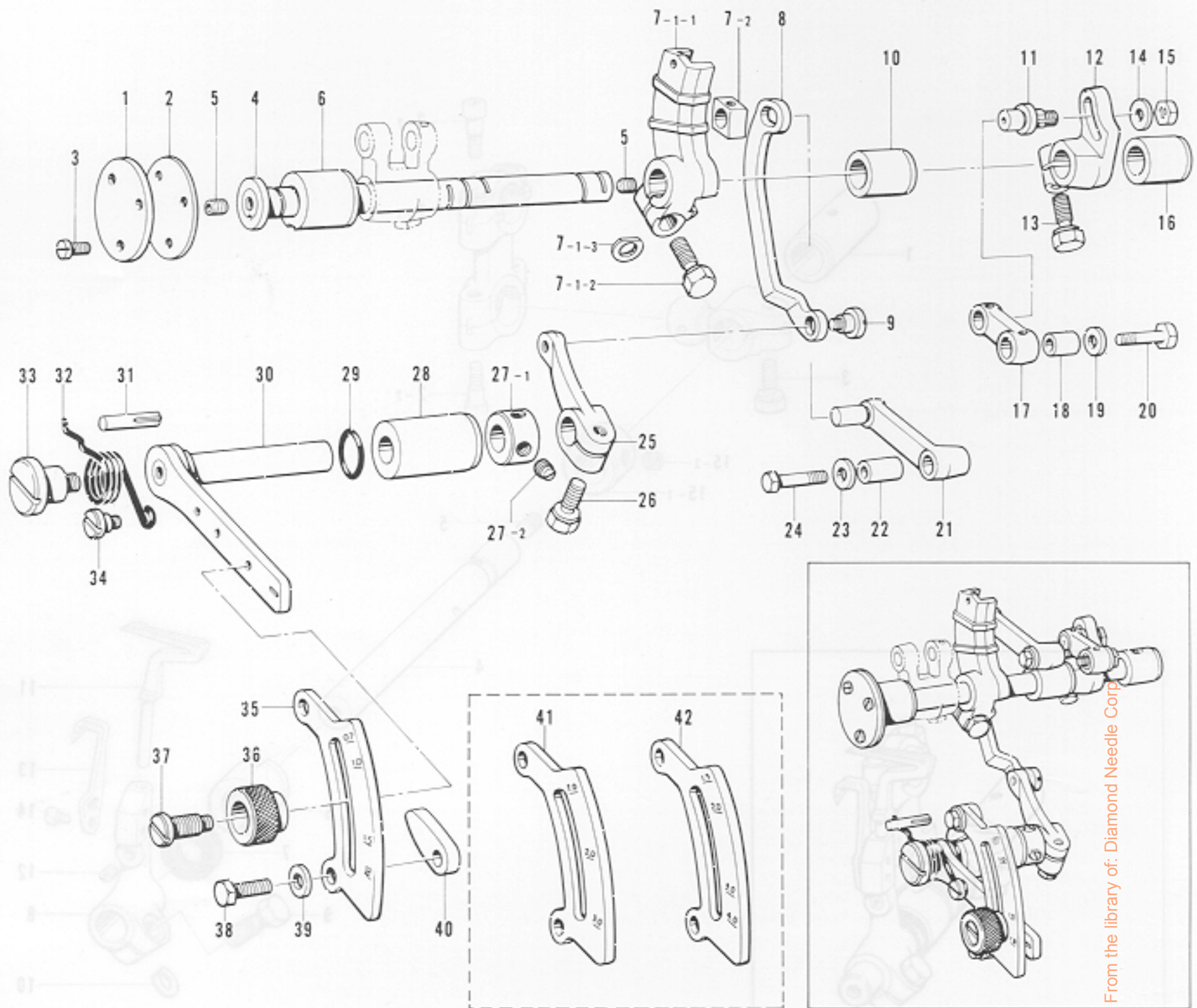
F. Feed Mechanism (I)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
E-1	Under Looper Shaft Bushing (B)	1	155245-0-00	*E-2 Looper Connecting Rod Assembly 155225-0-01	E-8	Under Looper Holder	1	155248-0-01	
E-2-1	Looper Connecting Rod	1			E-9	Bolt 5.56 x 14	1	149171-0-01	
E-2-2	Screw 4.37 x 14	4	148425-0-01		E-10	Spacer	1	148782-0-01	
E-2-3	Looper Connecting Lever	1			E-11	Under Looper	1	144049-0-01	
E-3	Bolt 6.35 x 14	1	155516-0-01		E-12	Screw 4.37	1	014680-4-22	
E-4	Under Looper Shaft	1	155244-0-01		E-13	Movable Needle Guard	1	144127-0-02	
E-5	Screw 5.56	1	013750-5-12		E-14	Screw 3.57 x 8	2	009670-8-12	
E-6	Under Looper Shaft Bushing (F)	1	155246-0-00	E-15-1	Set Collar	1		E-15 Collar Assembly 155863-0-01	
E-7	Seal	1	155247-0-00	E-15-2	Screw 5.95	2	152718-0-01		



# F. Feed Mechanism (1)

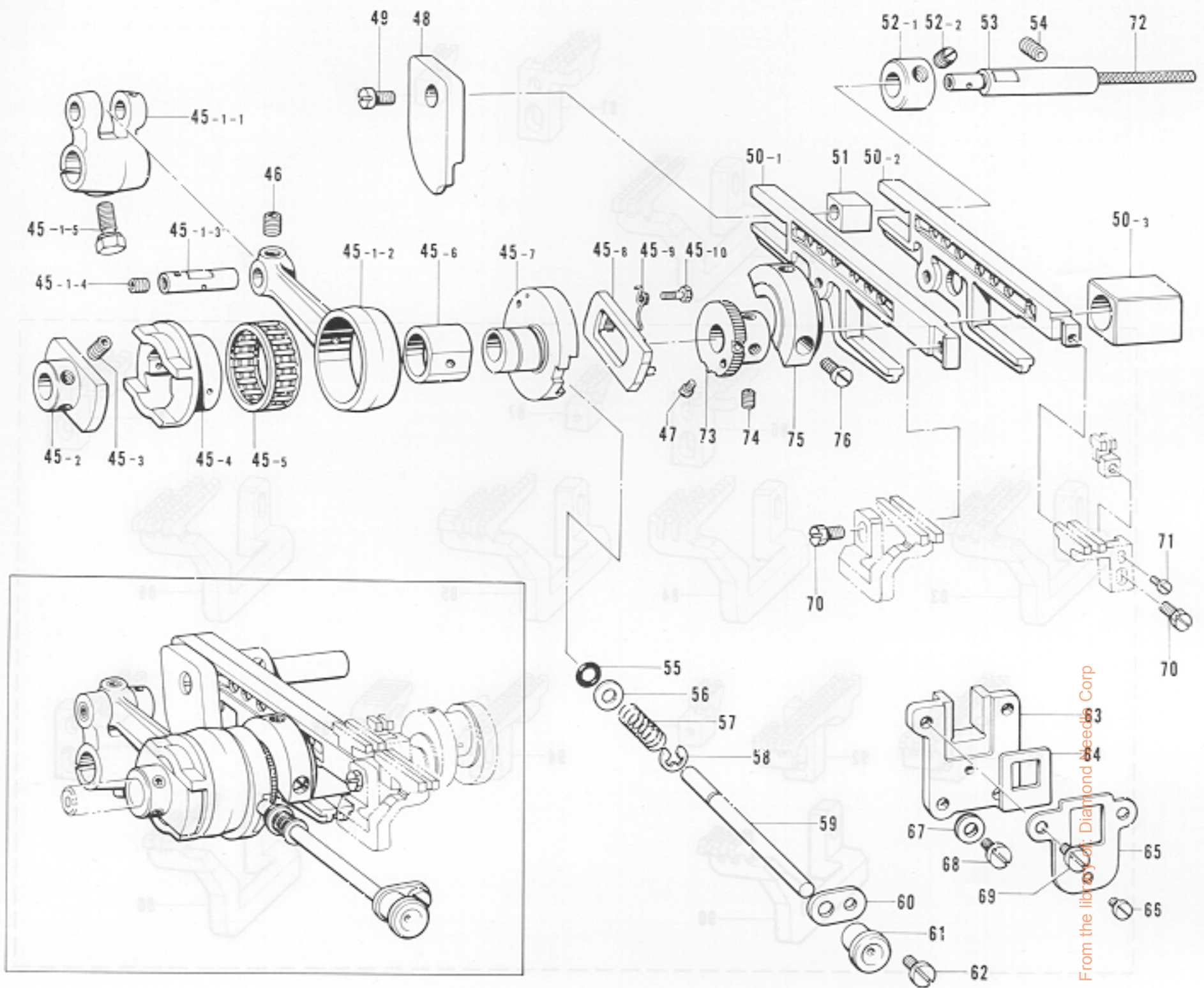


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F- 1	Cover for Feed Shaft Bushing (L)	1	155144-0-01		F-22	Differential Feed Link Bushing	1	155165-0-01	
F- 2	Packing	1	155145-0-00		F-23	Washer	1	155157-0-01	
F- 3	Screw 3.57 x 8	3	009670-8-12		F-24	Feed Link Shaft (Large)	1	140217-0-01	
F- 4	Feed Shaft	1	155140-0-01		F-25	Differential Feed Link Lever	1	155168-0-01	
F- 5	Screw 5.56	2	014770-6-22		F-26	Bolt 6.35 x 14	1	155516-0-01	
F- 6	Feed Shaft Bushing (L)	1	155141-0-00		F-27-1	Set Collar	1		F-27 Collar Assembly 181969-0-03
F- 7-1-1	Differential Feed Arm	1		F-7 Differential Feed Arm Block Assembly 155159-0-01	F-27-2	Screw 6.35	2	101706-0-01	
F- 7-1-2	Bolt 6.35 x 16	1	149170-0-01		F-28	Adjusting Lever Bushing	1	155170-0-00	
F- 7-1-3	Spacer	1	155162-0-01		F-29	"O" Ring	1	109203-0-01	
F- 7-2	Differential Feed Block	1			F-30	Differential Feed Adjusting Lever	1	155169-0-01	
F- 8	Differential Feed Adjuster Link	1	155166-0-01		F-31	Pin	1	140063-0-01	
F- 9	Screw 5.56	1	155167-0-01		F-32	Spring	1	155171-0-01	
F-10	Feed Shaft Bushing (M)	1	155142-0-00		F-33	Stud Screw 5.56	1	146559-0-01	
F-11	Main Feed Link Shaft	1	155155-0-01		F-34	Stud Screw 4.76	1	100294-0-02	
F-12	Main Feed Arm	1	155154-0-01		F-35	Differential Stitch Control	1	155172-0-01	
F-13	Bolt 6.35 x 16	1	149170-0-01		F-36	Knob	1	155175-0-01	
F-14	Washer	1	113431-0-02		F-37	Screw	1	155176-0-01	
F-15	Nut	1	148838-0-01		F-38	Bolt 6.35 x 14	2	017781-4-12	
F-16	Feed Shaft Bushing (R)	1	155143-0-00		F-39	Washer	2	118735-0-02	
F-17	Main Feed Link	1	155158-0-01		F-40	Stopper for Differential Stitch Control	2	146563-0-01	
F-18	Main Feed Link Bushing	1	155156-0-01		F-41	Differential Stitch Control (Ruffling)	1	155174-0-01	
F-19	Washer	1	155157-0-01		F-42	Differential Stitch Control (Bulky)	1	155173-0-01	
F-20	Main Feed Link Shaft (Small)	1	140210-0-01						
F-21	Differential Feed Link	1	155164-0-01						



# F. Feed Mechanism (2)

F. Feed Mechanism (2)

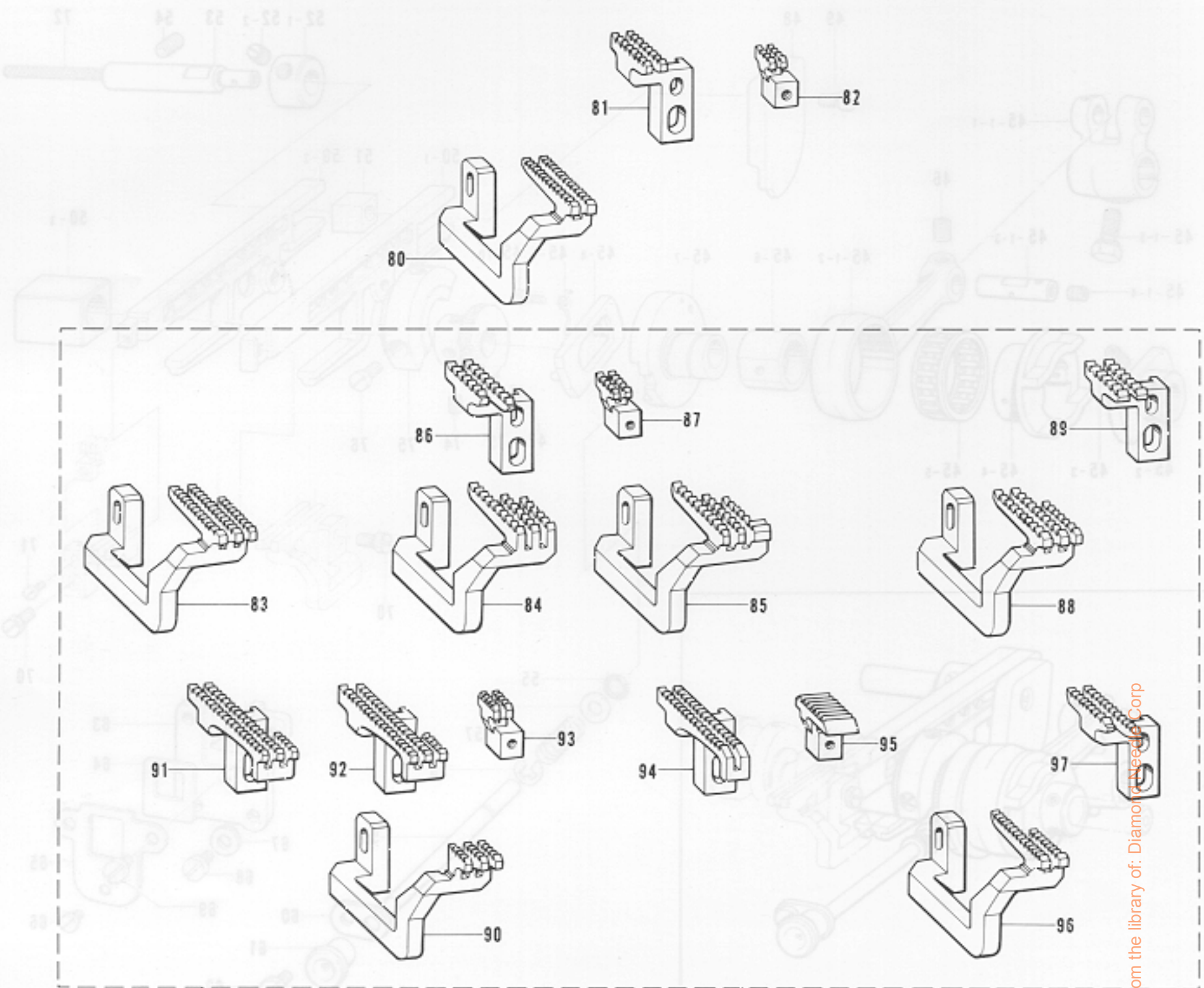


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F-45-1-1	Feed Arm	1		F-45 Eccentric Wheel Assembly 155125-0-01	F-53	Feed Bar Guide Block Shaft	1	155152-0-01	
F-45-1-2	Feed Rod	1			F-54	Screw 6.35	1	014780-6-22	
F-45-1-3	Pin	1			F-55	Packing	1	118770-0-01	
F-45-1-4	Screw 6.35	1	014770-6-22		F-56	Washer	1	113431-0-02	
F-45-1-5	Bolt 6.35 x 16	1	149170-0-01		F-57	Spring	1	155139-0-01	
F-45-2	Eccentric Wheel Holder	1			F-58	Stop Ring	1	048040-3-42	
F-45-3	Screw 4.37	2	014680-4-22		F-59	Feed Adjusting Shaft	1	155138-0-01	
F-45-4	Eccentric Wheel	1			F-60	Supporter for Feed Adjusting Shaft	1	146536-0-01	
F-45-5	Needle Roller Bearing 28	1			F-61	Cap	1	155348-0-00	
F-45-6	Adjuster Eccentric Wheel Block	1			F-62	Screw 3.57 x 6	1	009670-6-12	
F-45-7	Adjuster Eccentric Wheel	1		F-63	Feed Bar Guide	1	155151-0-00		
F-45-8	Ratchet Stopper	1		F-64	Fragment Protector	1	155177-0-00		
F-45-9	Spring	1	155132-0-01	F-65	Fragment Protector Plate	1	155178-0-01		
F-45-10	Stud Screw 2.38	1	155133-0-01	F-66	Screw 3.57	1	106568-0-03		
F-46	Screw 4.37	1	014680-4-22	F-67	Washer	2	100645-0-03		
F-47	Screw 2.38	1	155560-0-01	F-68	Screw 4.37	2	107407-0-03		
F-48	Differential Link Guide	1	155153-0-00	F-69	Screw 4.37	2	107407-0-03		
F-49	Screw 4.37 x 7	1	009680-7-12	F-70	Bolt 4.37	2	117516-0-01		
F-50-1	Differential Feed Bar	1		F-71	Screw 2.38 x 8	1	009630-8-12		
F-50-2	Main Feed Bar	1		F-72	Wick 8 x 8 (90)	1	147362-0-00		
F-50-3	Feed Lifting Slide Block	1		F-73	Ratchet	1	155179-0-01		
F-51	Feed Bar Guide Block	1	146547-0-00	F-74	Screw 4.37	2	014680-6-22		
F-52-1	Set Collar	1		F-75	Balance Weight	1	155180-0-01		
F-52-2	Screw 6.35	2	101706-0-01	F-76	Screw 4.37	2	105176-0-01		



# F. Feed Mechanism (3)

F. Feed Mechanism (2)

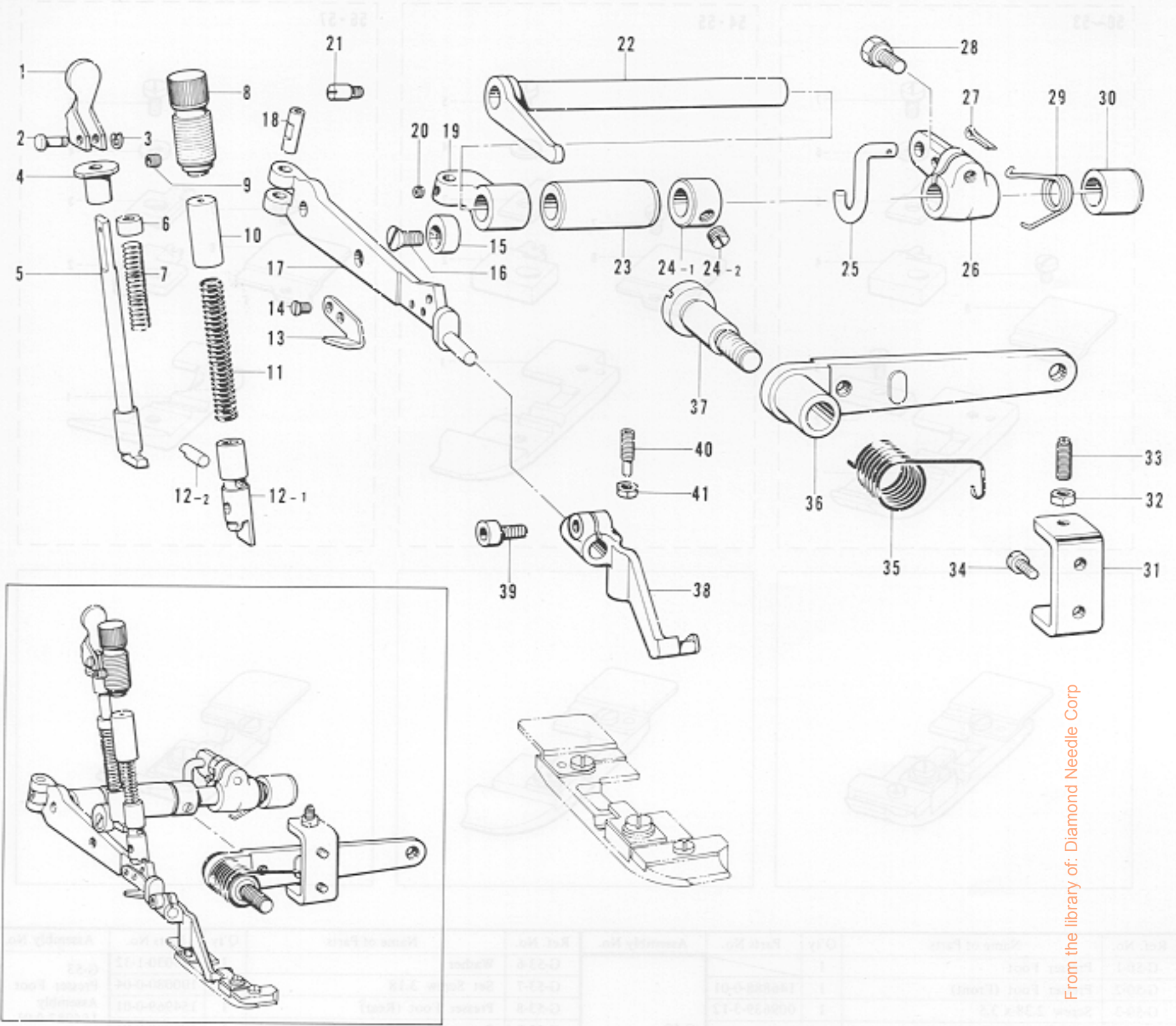


From the library of: Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
F-80	Differential Feed Dog	1	146748-0-01		F-90	Differential Feed Dog (Ruffling, Ruffling W/piping)	1	146751-0-01	
F-81	Main Feed Dog	1	146744-0-01		F-91	Main Feed Dog (Ruffling)	1	146746-0-01	
F-82	Chain Feed Dog	1	146577-0-01		F-92	Main Feed Dog (Ruffling W/piping)	1	147828-0-01	
F-83	Differential Feed Dog	1	146749-0-01		F-93	Chain Feed Dog (Ruffling W/piping)	1	147832-0-01	
F-84	Differential Feed Dog (Bulky)	1	146750-0-01		F-94	Feed Dog (Piping)	1	149193-0-01	
F-85	Differential Feed Dog (Bulky)	1	150873-0-01		F-95	Feed Dog (Piping)	1	149194-0-01	
F-86	Main Feed Dog (Bulky)	1	146745-0-01		F-96	Differential Feed Dog (Bulky)	1	148402-0-01	
F-87	Chain Feed Dog (Bulky, Ruffling)	1	146578-0-01		F-97	Main Feed Dog (Bulky)	1	148401-0-01	
F-88	Differential Feed Dog (Denim)	1	146791-0-01						
F-89	Main Feed Dog (Denim)	1	146790-0-01						



# G. Presser Foot Mechanism (1)

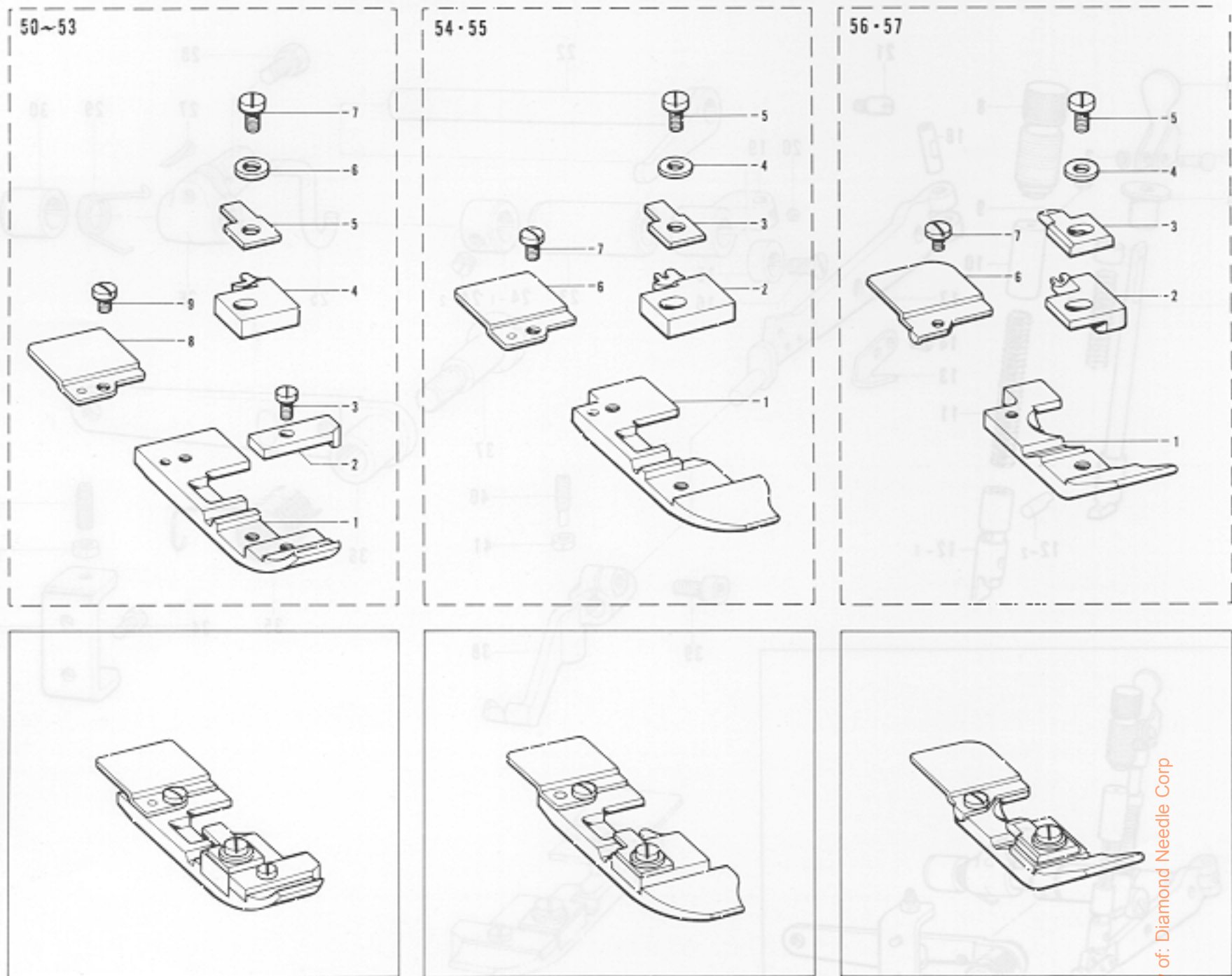


From the library of: Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-1	Presser Bar Lifter	1	147759-0-01		G-22	Presser Arm Shaft	1	154959-0-01	
G-2	Presser Bar Lifter Pin	1	144084-0-01		G-23	Bushing (Left)	1	154958-0-00	
G-3	Stop Ring	1	048020-3-42		G-24-1	Set Collar	1		G-24 Collar Assembly 181969-0-03
G-4	Washer	1	144083-0-01		G-24-2	Screw 6.35	2	101706-0-01	
G-5	Presser Bar Lifter Shaft	1	154952-0-01		G-25	Presser Foot Lifter Link	1	154955-0-01	
G-6	Bushing	1	154954-0-01		G-26	Presser Foot Lifter Inside Lever	1	154956-0-01	
G-7	Spring	1	154953-0-01		G-27	Pin	1	110793-0-01	
G-8	Screw	1	154946-0-01		G-28	Bolt 6.35 x 16	1	149170-0-01	
G-9	Screw 3.18	1	146427-0-01		G-29	Spring	1	154957-0-01	
G-10	Spring Presser	1	154951-0-01		G-30	Bushing (Right)	1	140262-0-00	
G-11	Spring	1	154950-0-01		G-31	Adjuster Plate	1	146522-0-01	
G-12-1	Presser Bar	1		G-12 Presser Bar Assembly 154947-0-01	G-32	Nut	2	110161-0-06	
G-12-2	Pin	1			G-33	Screw 4.76	2	153483-0-01	
G-13	Trimming Knife	1	148259-0-01		G-34	Screw 4.37 x 7	2	009680-7-12	
G-14	Screw 3.18	2	141542-0-01		G-35	Spring	1	143325-0-01	
G-15	Presser Arm Stopper	1	144088-0-01		G-36	Presser Foot Lifter Lever	1	143323-1-03	
G-16	Screw 4.76	1	107231-0-02		G-37	Stud Screw 7.94	1	148372-0-01	
G-17	Main Presser Arm	1	154960-0-01		G-38	Sub-Presser Foot	1	154964-0-01	
G-18	Pin for Presser Arm Shaft	1	154962-0-01		G-39	Screw 3.57 x 8	1	154965-0-01	
G-19	Presser Arm Supporter	1	154961-0-01		G-40	Adjusting Screw	1	154966-0-01	
G-20	Screw 4.37	1	153675-0-01		G-41	Nut	1	021670-2-02	
G-21	Screw 4.37	2	154875-0-01						



# G. Presser Foot Mechanism (2)

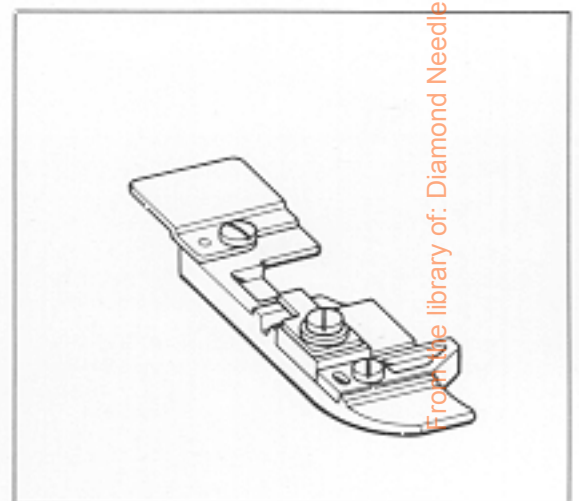
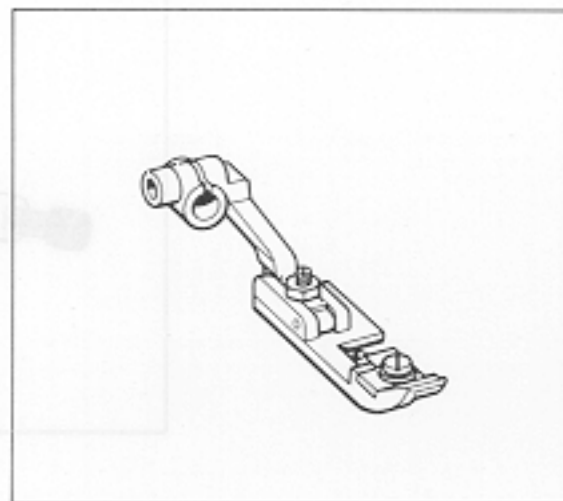
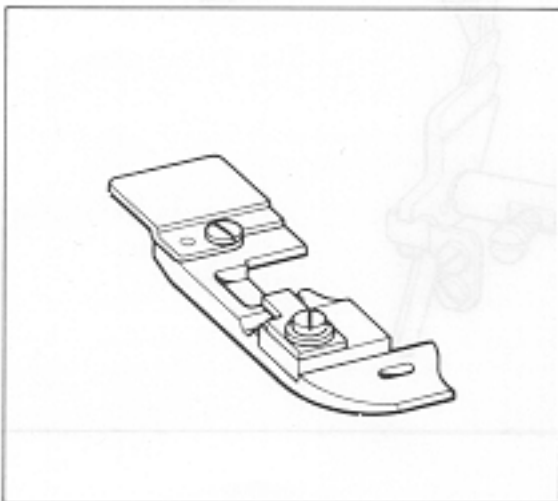
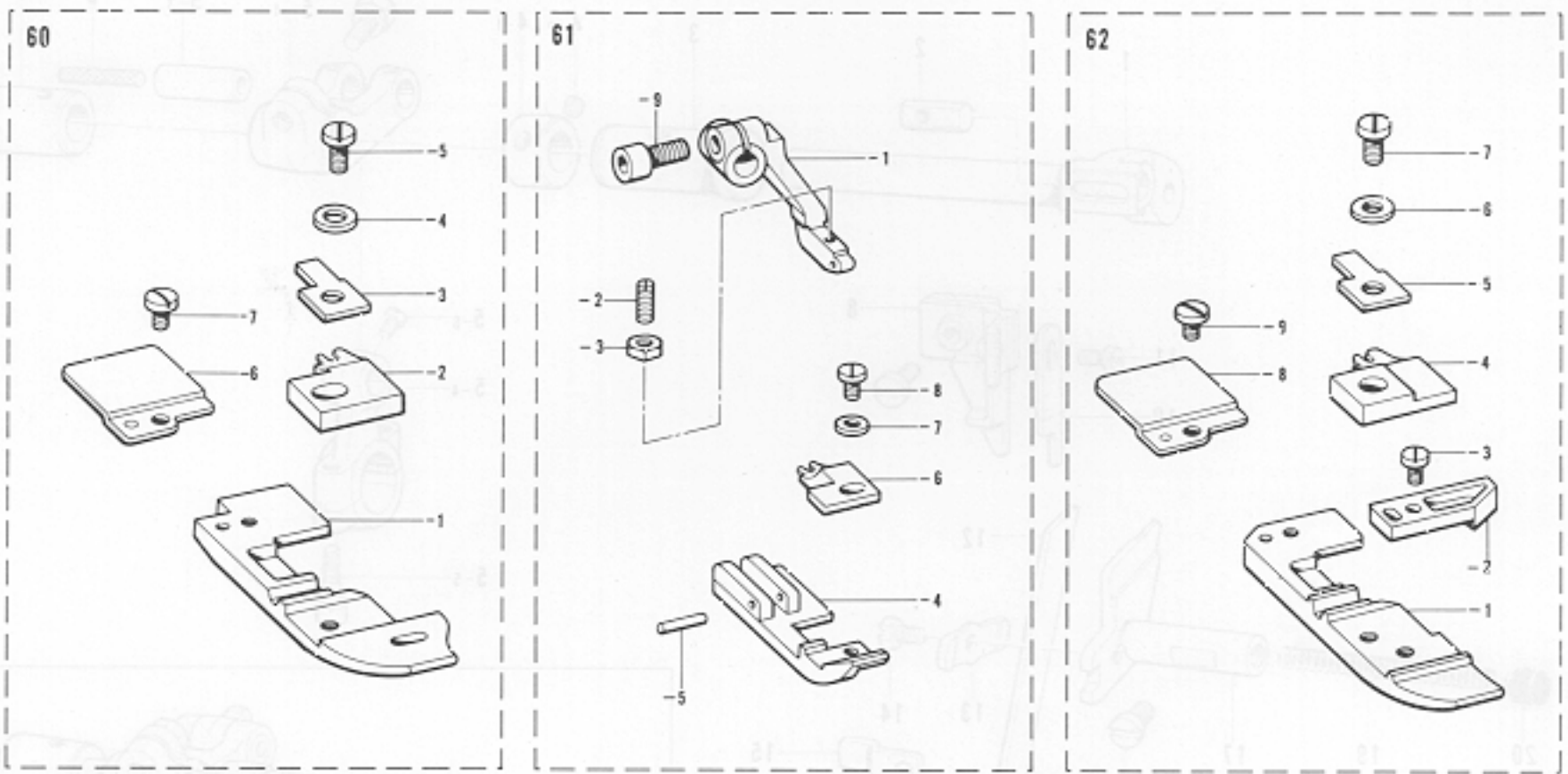


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-50-1	Presser Foot	1		G-50 Presser Foot Assembly 154986-0-01	G-53-6	Washer	1	025030-1-32	G-53 Presser Foot Assembly 154987-0-01
G-50-2	Presser Foot (Front)	1	146888-0-01		G-53-7	Set Screw 3.18	1	100080-0-04	
G-50-3	Screw 2.38 x 3.5	1	009639-3-12		G-53-8	Presser Foot (Rear)	1	154969-0-01	
G-50-4	Presser Foot Stitch Tongue	1	146964-0-01		G-53-9	Screw 2.38	1	105288-0-01	G-54 Presser Foot Assembly 154985-0-01 (Bulky)
G-50-5	Presser Foot Hinge Spring	1	146887-0-01		G-54-1	Presser Foot	1		
G-50-6	Washer	1	025030-1-32		G-54-2	Presser Foot Stitch Tongue	1	146907-0-01	
G-50-7	Set Screw 3.18	1	100080-0-04		G-54-3	Presser Foot Hinge Spring	1	146887-0-01	
G-50-8	Presser Foot (Rear)	1	154969-0-01		G-54-4	Washer	1	025030-1-32	
G-50-9	Screw 2.38	1	105288-0-01		G-54-5	Set Screw 3.18	1	100080-0-04	
G-51-1	Presser Foot	1		G-54-6	Presser Foot (Rear)	1	154969-0-01		
G-51-2	Presser Foot (Front)	1	146888-0-01	G-54-7	Screw 2.38	1	105288-0-01	G-55 Presser Foot Assembly 154985-0-01 (Bulky)	
G-51-3	Screw 2.38 x 3.5	1	009639-3-12	G-55-1	Presser Foot	1			
G-51-4	Stitch Tongue	1	149525-0-01	G-55-2	Presser Foot Stitch Tongue	1	146905-0-01		
G-51-5	Presser Foot Hinge Spring	1	146887-0-01	G-55-3	Presser Foot Hinge Spring	1	146887-0-01		
G-51-6	Washer	1	025030-1-32	G-55-4	Washer	1	025030-1-32		
G-51-7	Set Screw 3.18	1	100080-0-04	G-55-5	Set Screw 3.18	1	100080-0-04		
G-51-8	Presser Foot (Rear)	1	154969-0-01	G-55-6	Presser Foot (Rear)	1	154969-0-01		
G-51-9	Screw 2.38	1	105288-0-01	G-55-7	Screw 2.38	1	105288-0-01		G-56 Presser Foot Assembly 154983-0-01 (Ruffling)
G-52-1	Presser Foot	1		G-56-1	Presser Foot (U)	1			
G-52-2	Presser Foot (Front)	1	146888-0-01	G-56-2	Presser Foot Stitch Tongue (V)	1	144816-0-01		
G-52-3	Screw 2.38 x 3.5	1	009639-3-12	G-56-3	Presser Foot Plate	1	144091-0-01		
G-52-4	Presser Foot Stitch Tongue	1	146903-0-01	G-56-4	Washer	1	025030-1-32		
G-52-5	Presser Foot Hinge Spring	1	146887-0-01	G-56-5	Set Screw 3.18	1	100080-0-04		
G-52-6	Washer	1	025030-1-32	G-56-6	Presser Foot (Rear)	1	154972-0-01		
G-52-7	Set Screw 3.18	1	100080-0-04	G-56-7	Screw 2.38	1	105288-0-01	G-57 Presser Foot Assembly 154988-0-01 (Ruffling W/piping)	
G-52-8	Presser Foot (Rear)	1	154969-0-01	G-57-1	Presser Foot	1			
G-52-9	Screw 2.38	1	105288-0-01	G-57-2	Presser Foot Stitch Tongue (V)	1	144816-0-01		
G-53-1	Presser Foot	1		G-57-3	Presser Foot Plate	1	144091-0-01		
G-53-2	Presser Foot (Front)	1	146888-0-01	G-57-4	Washer	1	025030-1-32		
G-53-3	Screw 2.38 x 3.5	1	009639-3-12	G-57-5	Set Screw 3.18	1	100080-0-04		
G-53-4	Presser Foot Stitch Tongue	1	146966-0-01	G-57-6	Presser Foot (Rear)	1	154972-0-01		
G-53-5	Presser Foot Hinge Spring	1	146887-0-01	G-57-7	Screw 2.38	1	105288-0-01		



# G. Presser Foot Mechanism (3)

H. Knives Mechanism



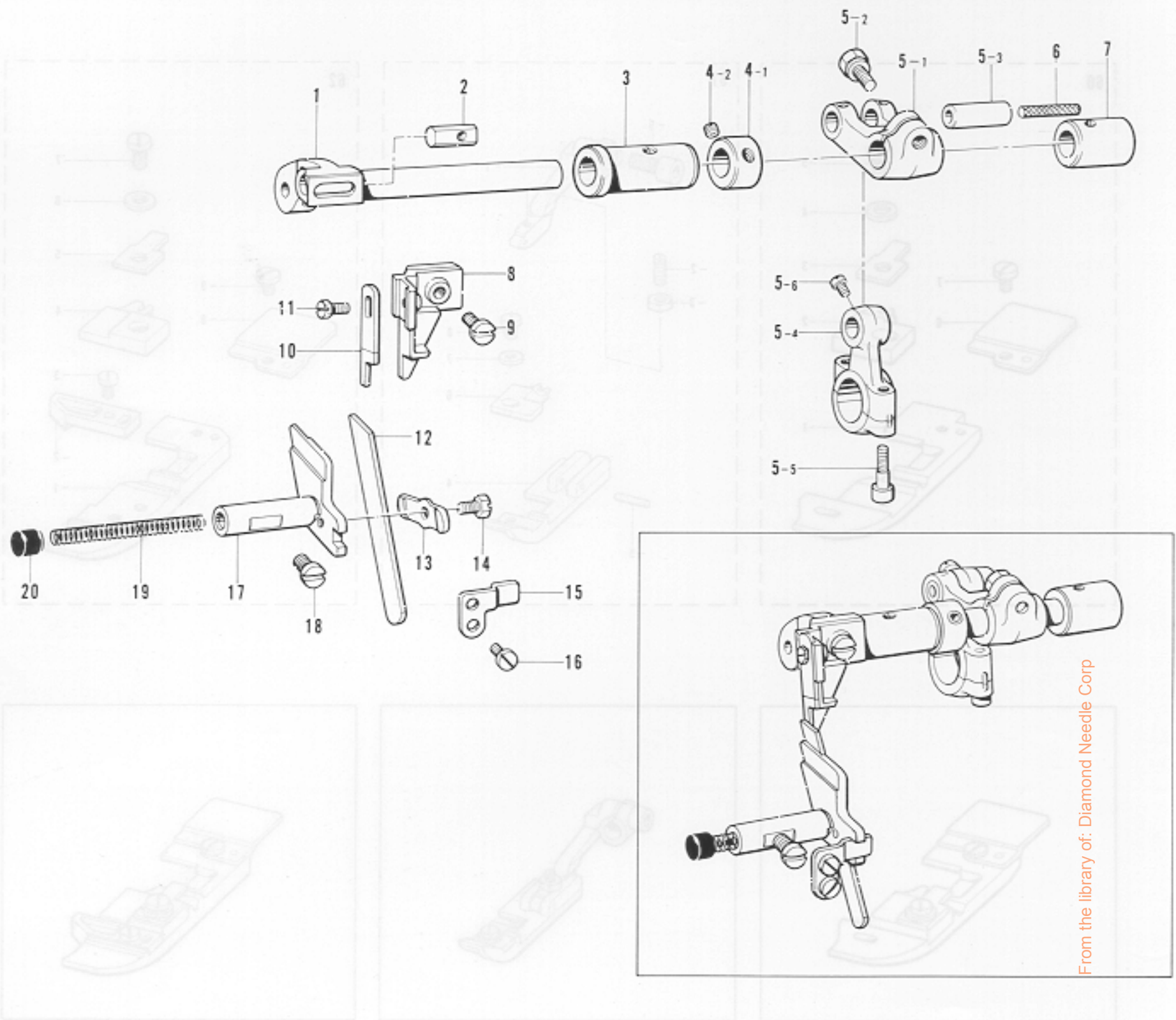
From the library of: Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
G-60-1	Presser Foot	1		G-60 Presser Foot Assembly 154984-0-01 (Taping)	G-61-7	Washer	1	025030-1-32	G-61 Presser Foot Assembly 154990-0-01 (Piping)
G-60-2	Presser Foot Stitch Tongue	1	146907-0-01		G-61-8	Screw 3.18 x 4	1	009660-4-12	
G-60-3	Presser Foot Hinge Spring	1	146887-0-01		G-61-9	Bolt 3.57 x 8	1	154965-0-01	
G-60-4	Washer	1	025030-1-32		G-62-1	Presser Foot	1		G-62 Presser Foot Assembly 154998-0-01 (Bulky)
G-60-5	Set Screw 3.18	1	100080-0-04		G-62-2	Presser Foot Front	1	150872-0-01	
G-60-6	Presser Foot (Rear)	1	154969-0-01		G-62-3	Screw 2.38 x 3.5	1	009639-3-12	
G-60-7	Screw 2.38	1	105288-0-01		G-62-4	Stitch Tongue	1	150871-0-01	
G-61-1	Sub Presser Arm	1		G-62-5	Presser Foot Hinge Spring	1	146887-0-01		
G-61-2	Screw 3.18	1	103978-0-02	G-62-6	Washer	1	025030-1-32		
G-61-3	Nut 3.18	1	021660-1-02	G-62-7	Set Screw 3.18	1	100080-0-04		
G-61-4	Presser Foot	1		G-62-8	Presser Foot (Rear)	1	154969-0-01		
G-61-5	Pin	1	149183-0-01	G-62-9	Screw 2.38	1	405288-0-01		
G-61-6	Stitch Tongue	1	150739-0-01						



# H. Knives Mechanism

G. Presser Foot Mechanism (3)



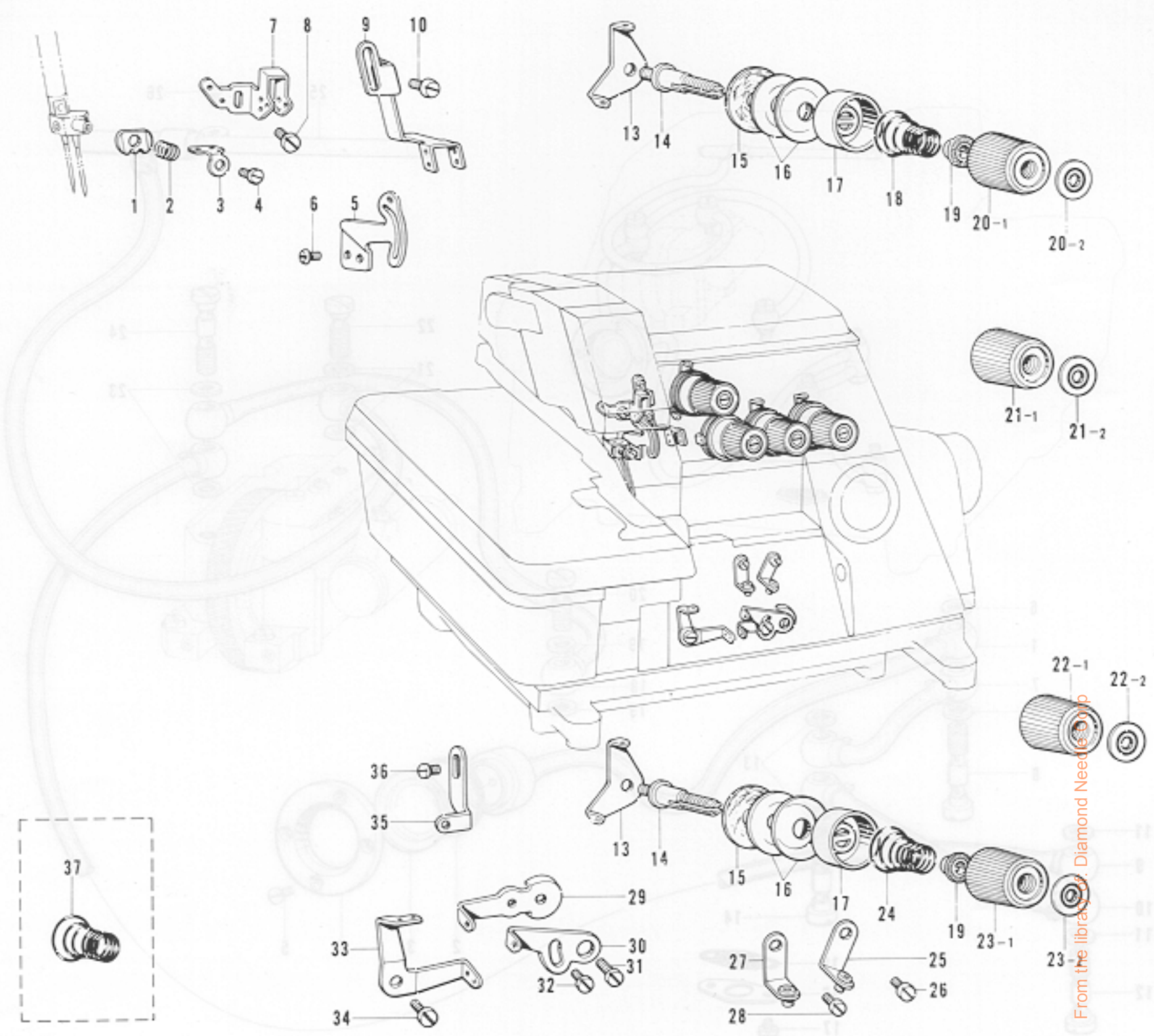
From the library of: Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
H- 1	Upper Knife Driving	1	155185-0-01		H- 8	Upper Knife Holder	1	155187-0-01	
H- 2	Nut	1	148281-0-01		H- 9	Screw 4.37	1	107407-0-03	
H- 3	Bushing (Left)	1	155186-0-00		H-10	Upper Knife	1	144074-0-00	
H- 4-1	Set Collar	1		H-4 Collar Assembly 155863-0-01	H-11	Bolt 3.57	1	144075-0-01	
H- 4-2	Screw 5.95	2	152718-0-01		H-12	Lower Knife	1	155193-0-01	
H- 5-1	Upper Knife Driving Lever	1		H-5 Upper Knife Driving Rod Assembly 155181-0-01	H-13	Lower Knife Presser Plate	1	155194-0-01	
H- 5-2	Bolt 6.35 x 16	1	149170-0-01		H-14	Bolt 4.37	1	117516-0-01	
H- 5-3	Pin	1			H-15	Lower Knife Holder Guide	1	155195-0-01	
H- 5-4	Upper Knife Driving Rod	1			H-16	Screw 3.57 x 6	2	009670-6-12	
H- 5-5	Screw 4.37 x 14	2	148425-0-01		H-17	Lower Knife Holder	1	155191-0-01	
H- 5-6	Screw 4.37	1	100366-0-01		H-18	Screw 6.35	1	102627-0-01	
H- 6	Wick 8 x 8 (44)	1	140317-0-00		H-19	Spring	1	146584-0-01	
H- 7	Bushing (Right)	1	144117-0-00		H-20	Oil Cap	1	154923-0-01	



# J. Threading

(1) Lubrication (1)

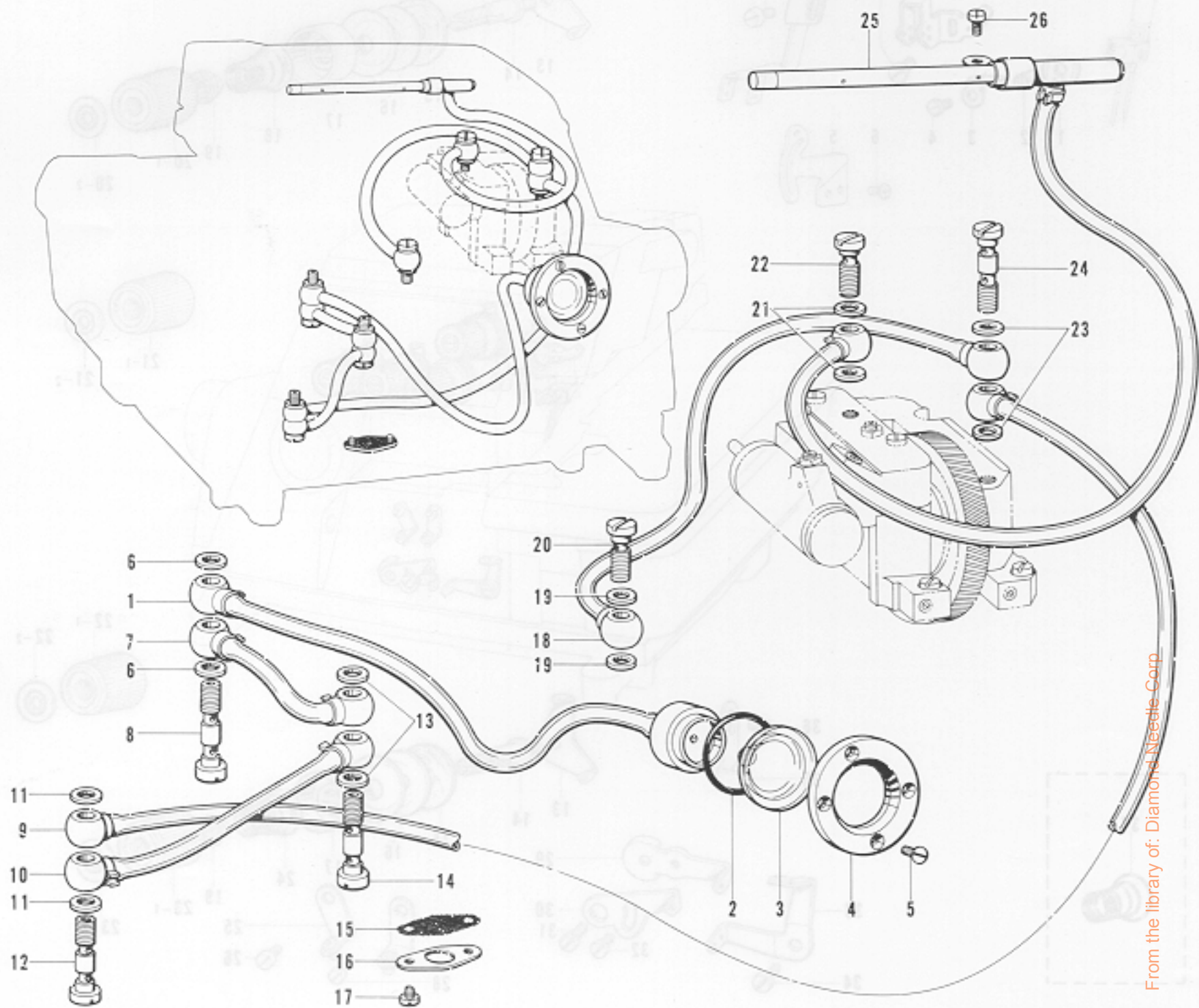


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
J- 1	Needle Thread Guard (A)	1	155308-0-01		J-22-1	Thread Tension Adjusting Nut	1	149566-0-02	J-22
J- 2	Needle Thread Guard Spring	1	155310-0-01						Thread Tension
J- 3	Needle Thread Guide (C)	1	155307-0-01		J-22-2	Tension Indicating Plate	1	155697-0-02	Adjusting Nut
J- 4	Screw 2.38	1	105288-0-01						Assembly
J- 5	Needle Thread Take-up	1	155306-0-01		J-23-1	Thread Tension Adjusting Nut	1	149566-0-02	155696-0-02
J- 6	Screw 3.57 x 6	2	001670-6-12						
J- 7	Needle Thread Guide (A)	1	155305-0-01		J-23-2	Tension Indicating Plate	1	155697-0-04	J-23
J- 8	Screw 3.57 x 6	1	001670-6-12						Thread Tension
J- 9	Needle Thread Guide (B)	1	155304-0-01		J-24	Spring	2	144110-0-01	Adjusting Nut
J-10	Screw 3.57 x 6	2	009670-6-12		J-25	Under Looper Thread Guide	2	146926-0-02	Assembly
J-13	Needle Thread Guide Plate	4	110813-0-01		J-26	Screw 3.57 x 6	1	009670-6-12	155696-0-02
J-14	Looper Thread Tension Control Stud	4	110820-0-01		J-27	Thread Guide	1	146926-0-03	
J-15	Felt	4	110832-0-01		J-28	Screw 3.57 x 6	1	009670-6-12	
J-16	Tension Disc	8	145446-0-01		J-29	Under Looper Thread Take-up (R)	1	155311-0-01	
J-17	Tension Disc Washer	4	144103-0-03		J-30	Over Looper Thread Take-up (R)	1	155312-0-01	
J-18	Spring	2	144104-0-01		J-31	Screw 3.57 x 6	1	009670-6-12	
J-19	Tension Spring Washer	4	144105-0-00		J-32	Screw 3.57 x 4	1	009670-4-12	
J-20-1	Thread Tension Adjusting Nut	1	149566-0-02	J-20	J-33	Looper Thread Take-up (L)	1	146654-0-01	
J-20-2	Tension Indicating Plate	1	155697-0-03	Thread Tension Adjusting Nut Assembly 155696-0-03	J-34	Screw 3.57 x 6	1	009670-6-12	
J-21-1	Thread Tension Adjusting Nut	1	149566-0-02	J-21	J-35	Thread Guide	1	155313-0-01	
J-21-2	Tension Indicating Plate	1	155697-0-01	Thread Tension Adjusting Nut Assembly 155696-0-01	J-36	Screw 3.57 x 6	1	009670-6-12	
					J-37	Spring	2	148851-0-01	



# K. Lubrication (1)

Threading

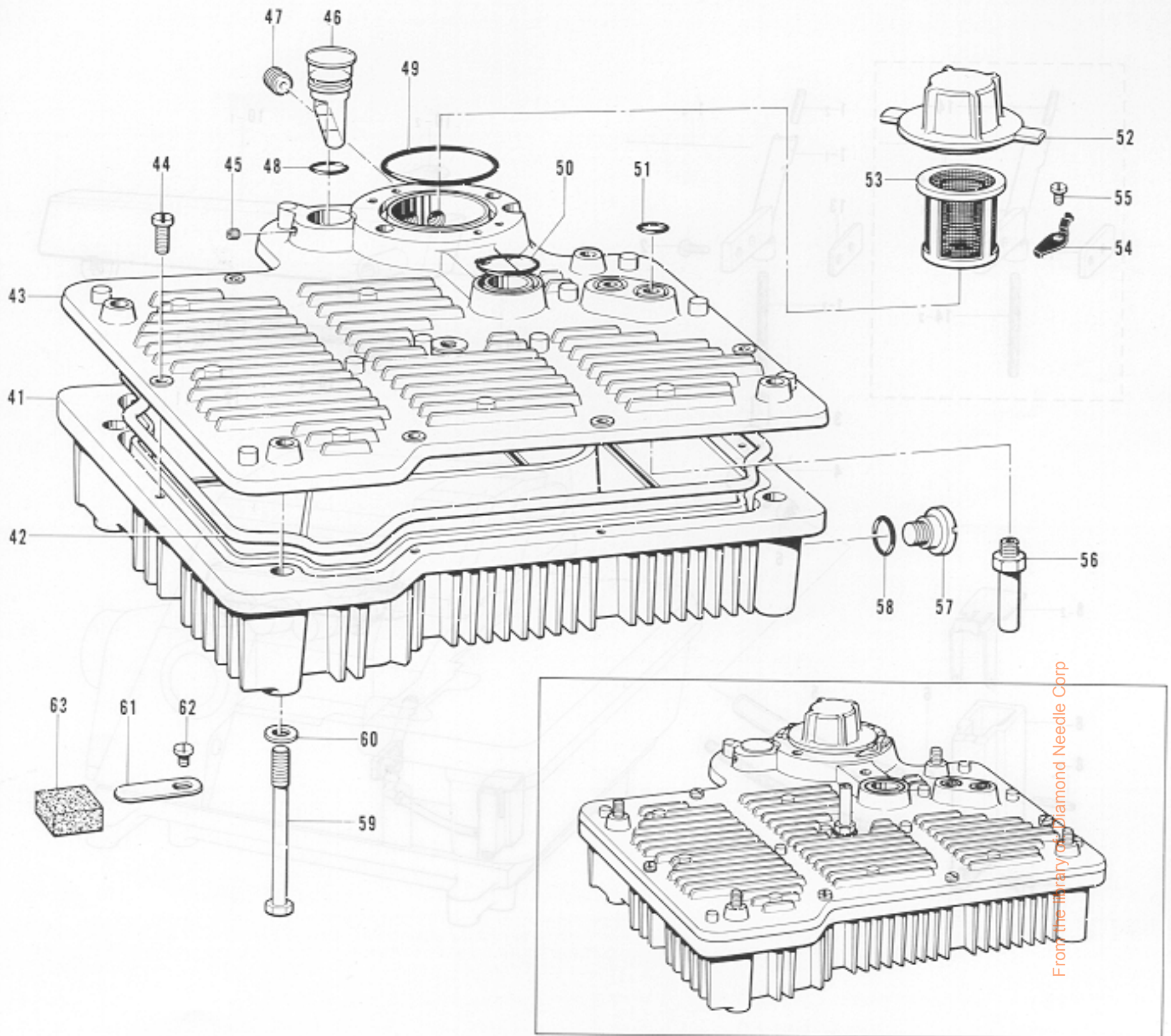


From the library of: Diamond Needles Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
K- 1	Pilot-Light Gauge	1	155286-0-01		K-14	Oil Feeding Pipe	1	112364-0-01	
K- 2	"O" Ring	1	081022-0-70		K-15	Oil Filter	1	155294-0-00	
K- 3	Pilot-Light Lens	1	155290-0-00		K-16	Oil Filter Flange	1	155295-0-01	
K- 4	Lens Presser Plate	1	155291-0-01		K-17	Screw 3.57 x 5	2	009670-5-12	
K- 5	Screw 3.57	4	102538-0-02		K-18	Tube Assembly	1	155292-0-01	
K- 6	Packing	2	112348-0-01		K-19	Packing	2	112348-0-01	
K- 7	Vinyl Tube	1	155284-0-01		K-20	Oil Feeding Pipe	1	112359-0-01	
K- 8	Oil Feeding Pipe	1	112364-0-01		K-21	Packing	2	112348-0-01	
K- 9	Vinyl Tube	1	156469-0-01		K-22	Oil Feeding Pipe	1	112359-0-01	
K-10	Vinyl Tube	1	155282-0-01		K-23	Packing	2	112348-0-01	
K-11	Packing	2	112348-0-01		K-24	Oil Feeding Pipe	1	112364-0-01	
K-12	Oil Feeding Pipe	1	112364-0-01		K-25	Main Oil Pipe	1	156460-0-01	
K-13	Packing	2	112348-0-01		K-26	Screw 3.57 x 6	1	009670-6-12	



# K. Lubrication (2)



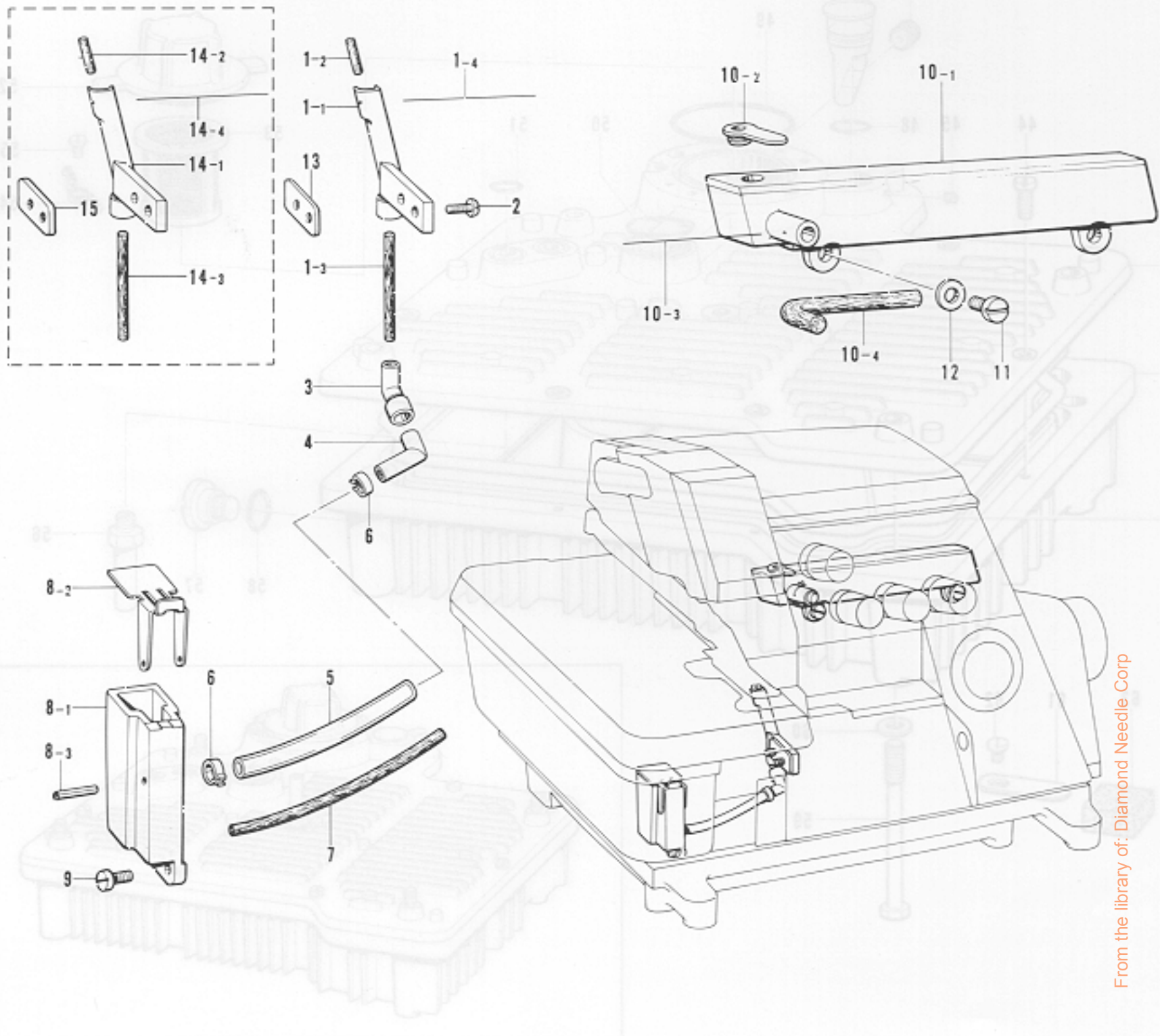
From the library of Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
K-41	Oil Tank	1	155296-0-00		K-53	Oil Filter	1	155299-0-00	
K-42	Packing	1	155297-0-00		K-54	Spring	2	144874-0-01	
K-43	Oil Tank Cover	1	155298-0-00		K-55	Screw 3.57 x 6	2	009670-6-12	
K-44	Screw 4.37 x 12	7	009681-2-12		K-56	Pipe	3	155302-0-01	
K-45	Screw 7.94	2	014821-0-22		K-57	Stud Screw 9.52	1	110641-0-01	
K-46	Oil Gauge	1	155301-0-01		K-58	Packing	1	109203-0-01	
K-47	Screw 3.57	1	148294-0-01		K-59	Bolt 6 x 65	4	155303-0-01	
K-48	"O" Ring	1	081016-0-70		K-60	Washer	4	118735-0-02	
K-49	"O" Ring	1	081044-0-70		K-61	Plate Spring	2	152936-0-01	
K-50	"O" Ring	1	081022-0-70		K-62	Screw 3.57 x 6	2	009670-6-12	
K-51	"O" Ring	2	081011-0-70		K-63	Magnet	2	112525-0-00	
K-52	Oil Tank Cap	1	155300-0-00						



# L. Needle Cooler

(S) naiticno (S)

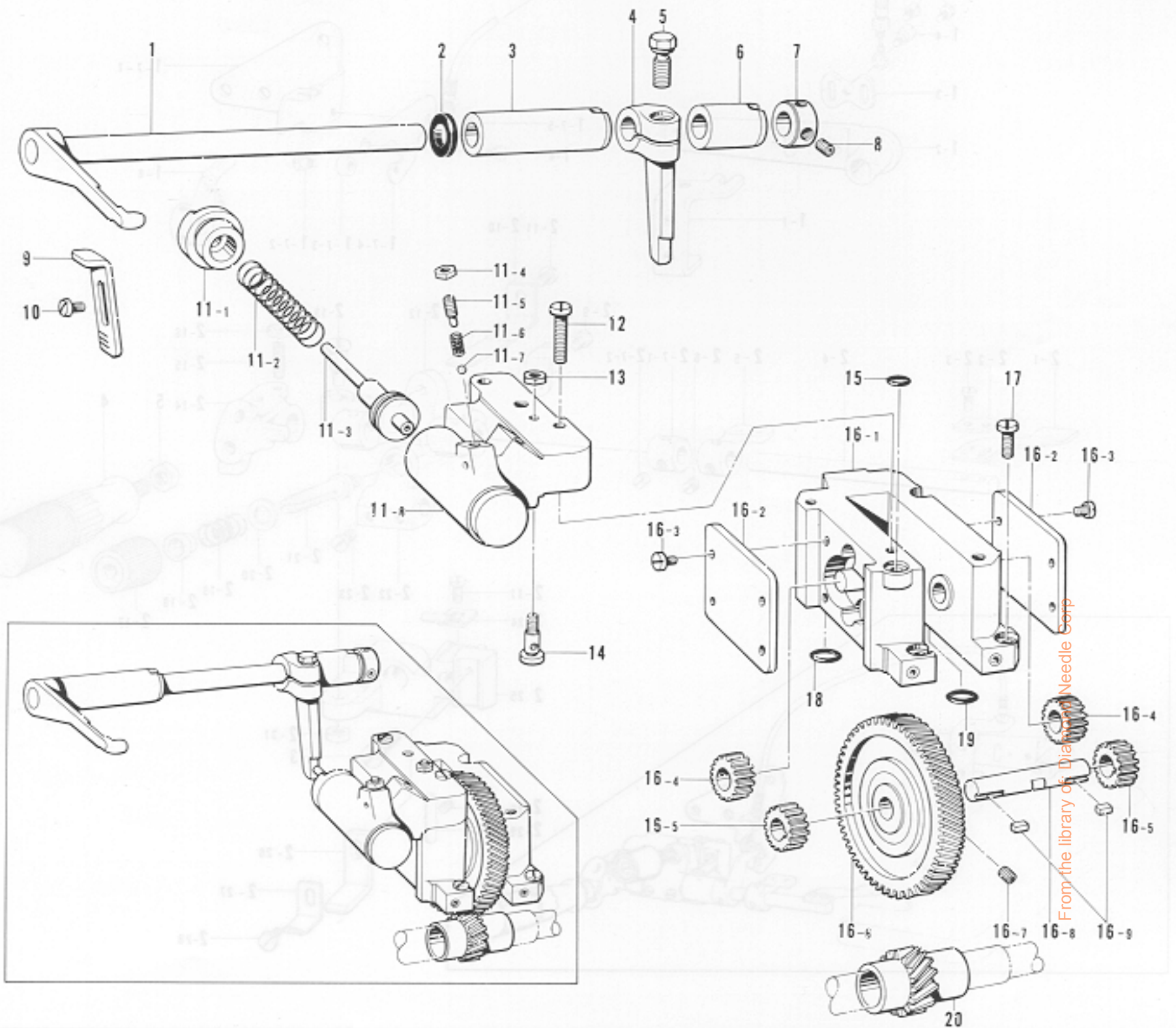


From the library of: Diamond Needle Corp

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	Felt Holder	1	154931-0-00	L-1 Felt Holder Assembly 154930-0-01	L- 9	Screw 3.57 x 10	2	009671-0-12	L-10 Needle Thread Cooler Assembly 154924-0-01
L- 1-2	Felt (S)	1	146740-0-00		L-10-1	Needle Thread Cooler Tank	1		
L- 1-3	Felt	1	154932-0-00		L-10-2	Needle Thread Cooler Tank Cover	1	154928-0-00	
L- 1-4	Steel Wire	1	147738-0-00		L-10-3	Steel Wire	1	147738-0-00	
L- 2	Screw 3.57	2	105216-0-01	L-10-4	Felt	1	154929-0-00		
L- 3	Pipe Joint (A)	1	154939-0-00	L-11	Screw 4.37 x 7	2	009680-7-12		
L- 4	Pipe Joint (B)	1	154940-0-00	L-12	Washer	2	110735-0-02		
L- 5	Vinyl Tube	1	154942-0-00	L-13	Spacer	1	154937-0-01		
L- 6	Stop Ring	2	147942-0-01	L-14-1	Felt Holder	1	154934-0-00	L-14 Felt Holder Assembly 154933-0-01	
L- 7	Felt	1	154941-0-00	L-14-2	Felt (S)	1	146740-0-00		
L- 8-1	Needle Cooler Tank	1		L-14-3	Felt	1	154932-0-00		
L- 8-2	Needle Cooler Tank Cover	1	154945-0-01	L-14-4	Steel Wire	1	147738-0-00		
L- 8-3	Pin	1	047201-6-40	L-15	Spacer	1	154938-0-01		



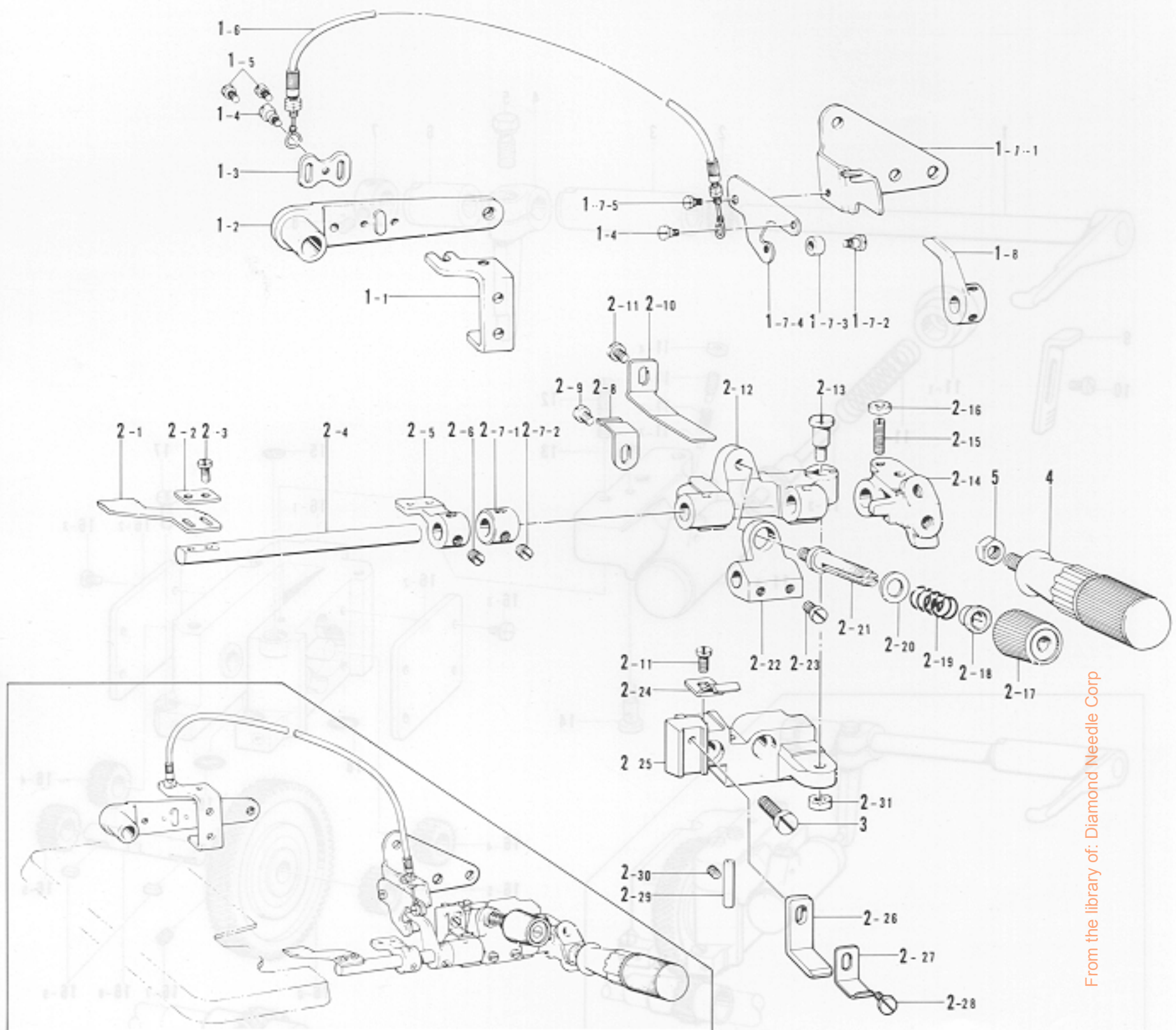
# M. Auto Presser Mechanism



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
M- 1	Auto Presser Arm	1	155223-0-01		M-12	Screw 4.37 x 18	2	009681-8-12	
M- 2	Seal	1	155539-0-00		M-13	Nut	1	021670-2-02	
M- 3	Bushing (L)	1	155219-0-00		M-14	Oil Adjustor	1	156459-0-01	
M- 4	Auto Presser Lever	1	155222-0-01		M-15	"O" Ring	1	081006-0-70	
M- 5	Bolt 6.35 x 16	1	149170-0-01		M-16-1	Pump Case	1		M-16 Pump Assembly 156420-0-01
M- 6	Bushing (R)	1	155220-0-00		M-16-2	Pump Cover	2	156430-0-01	
M- 7	Set Collar	1	110197-0-01		M-16-3	Screw 3.57 x 6	8	009670-6-12	
M- 8	Screw 4.37	2	014680-4-22		M-16-4	Pump Gear F	2	156425-0-00	
M- 9	Auto Presser Arm Stopper	1	155224-0-01		M-16-5	Pump Gear D	2	156426-0-00	
M-10	Screw 3.57 x 6	2	001670-6-12		M-16-6	Gear L	1	156428-0-00	
M-11-1	Auto Presser Cylinder Cover B	1	156438-0-00	M-11 Auto Presser Cylinder Assembly 156436-0-01	M-16-7	Screw 4.37	2	014680-6-22	
M-11-2	Spring	1	155218-0-01		M-16-8	Gear L Shaft	1	156427-0-01	
M-11-3	Piston	1	155217-0-01		M-16-9	Key	2	156429-0-01	
M-11-4	Nut	1	021670-2-02		M-17	Screw 4.37 x 12	4	009681-2-12	
M-11-5	Adjusting Screw	1	156183-0-01		M-18	"O" Ring	2	081008-0-70	
M-11-6	Spring	1	120833-0-01		M-19	"O" Ring	2	081008-0-70	
M-11-7	Steal Ball	1	071023-8-50		M-20	Gear S	1	156432-0-01	
M-11-8	Auto Presser Cylinder Body	1							



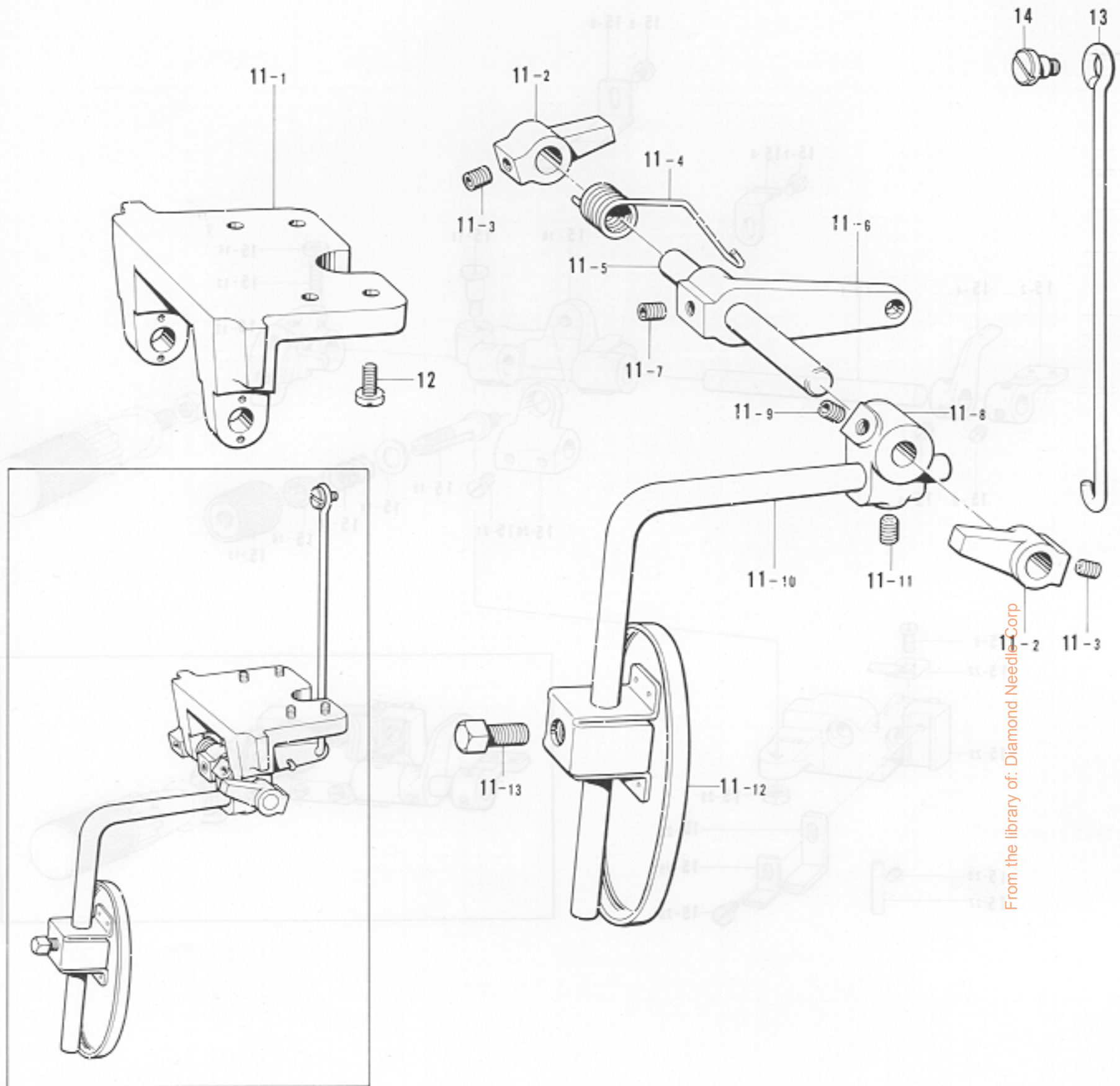
# Q. Ruffler Interlocking Parts Assembly and Ruffling Attachment Assembly (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Q-1-1	Lever Adjuster Plate	1	147454-0-01	Q-1 Ruffler Interlocking Parts Assembly 155547-0-02	Q-2-11	Screw 4.37 x 6	2	009680-6-12	Q-2 Ruffling Attachment Assembly 146587-1-02
Q-1-2	Presser Foot Lifter Lever	1	148369-1-01		Q-2-12	Bracket for Ruffling Blade	1	146588-0-01	
Q-1-3	Wire Plate	1	147672-0-01		Q-2-13	Stud Screw 5.95	1	147933-0-01	
Q-1-4	Screw	2	141514-0-01		Q-2-14	Handle Fixing Plate	1	145810-0-01	
Q-1-5	Screw 3.57 x 6	2	009670-6-12		Q-2-15	Screw 4.37	1	110230-0-01	
Q-1-6	Flexible Wire Assembly	1	148391-0-01		Q-2-16	Nut 4.37	1	105234-0-03	
Q-1-7-1	Presser Foot Lifter Lever Support	1	155330-0-01	Q-2-17	Thread Tension Adjusting Nut	1	149566-0-02		
Q-1-7-2	Stud Screw 3.18	1	112301-0-01	Q-2-18	Tension Spring Washer	1	144105-0-00		
Q-1-7-3	Roller	1	148390-0-01	Q-2-19	Spring	1	144788-0-01		
Q-1-7-4	Ruffling Plate Lifter Lever	1	148388-0-01	Q-2-20	Washer	1	025770-2-32		
Q-1-7-5	Screw	1	141514-0-01	Q-2-21	Looper Thread Tension Control Stud	1	110820-0-01		
Q-1-8	Ruffling Plate Lifter	1	148387-0-01	Q-2-22	Spring Base	1	146590-0-01		
Q-2-1	Ruffling Blade	1	144783-0-01	Q-2-23	Screw 5.95	2	105163-0-01		
Q-2-2	Washer	1	144784-0-01	Q-2-24	Spring Plate	1	145808-0-01		
Q-2-3	Screw 3.18 x 7	2	009660-7-12	Q-2-25	Ruffling Base	1			
Q-2-4	Ruffling Blade Base Shaft	1	145803-0-01	Q-2-26	Ruffling Blade Guide Plate	1	154795-0-01		
Q-2-5	Wrapper Base	1	146589-0-01	Q-2-27	Ruffling Blade Guide	1	145807-0-01		
Q-2-6	Screw 6.35	2	101706-0-01	Q-2-28	Screw 4.37 x 8	1	009680-8-12		
Q-2-7-1	Set Collar	1		Q-2-29	Thread Guide Pipe	1	146592-0-01		
Q-2-7-2	Screw 6.35	2	101706-0-01	Q-2-30	Screw 3.57	1	013679-4-12		
Q-2-8	Spring	1	144764-0-01	Q-2-31	Nut	1	150553-0-02		
Q-2-9	Screw 3.57 x 5	1	001670-5-12	Q-3	Screw 6.35 x 18	2	009781-8-12		
Q-2-10	Spring Plate	1	145811-0-01	Q-4	Handle	1	145809-0-01		
				Q-5	Nut 6.35	1	150556-0-02		



# Q. Differential Adjuster Assembly (2)

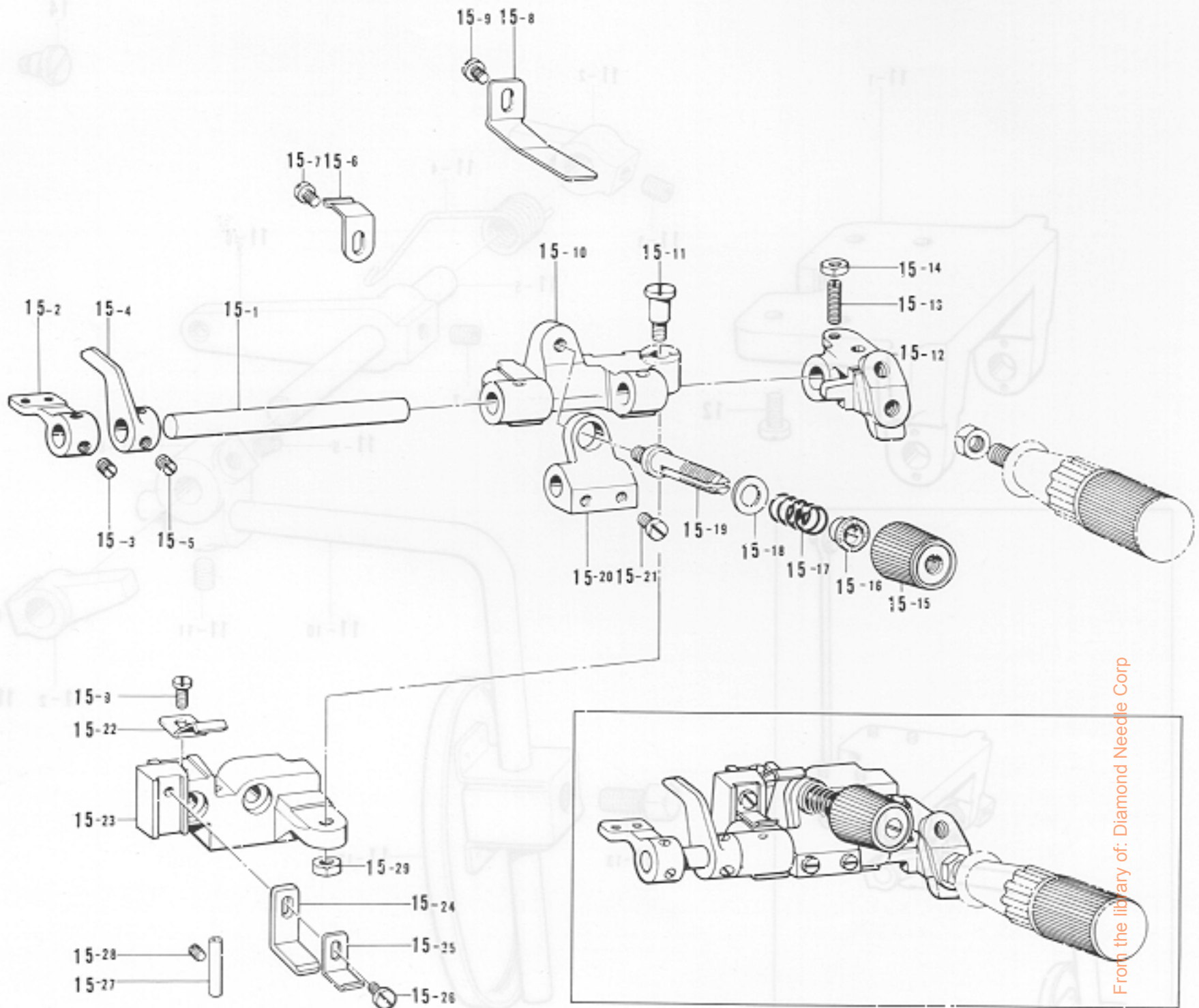


From the library of: Diamond Needle Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Q-11- 1	Knee Lifter Shaft Bracket	1	155197-0-01	Q-11 Knee Lifter Shaft Bracket Assembly 155196-0-01	Q-11- 9	Screw 6.35	1	014780-6-22	Q-11 Knee Lifter Shaft Bracket Assembly 155196-0-01
Q-11- 2	Collar	2	155203-0-01		Q-11-10	Knee Lifter Bar (S)	1	148797-0-01	
Q-11- 3	Screw 6.35	2	014780-6-22		Q-11-11	Screw 6.35	1	014780-6-22	
Q-11- 4	Spring	1	155202-0-01		Q-11-12	Knee Lifter Plate (L)	1	148798-0-01	
Q-11- 5	Knee Lifter Shaft	1	155198-0-01		Q-11-13	Bolt 7.94	1	100463-0-01	
Q-11- 6	Knee Lifter Lever	1	155201-0-01		Q-12	Screw 4.37 x 10	4	009581-0-12	
Q-11- 7	Screw 6.35	1	014780-6-22		Q-13	Connecting Bar	1	155205-0-01	
Q-11- 8	Knee Lifter Bracket	1	155199-0-01		Q-14	Stud Screw 4.76	1	146594-0-01	



# Q. Piping Wrapper Assembly (3)

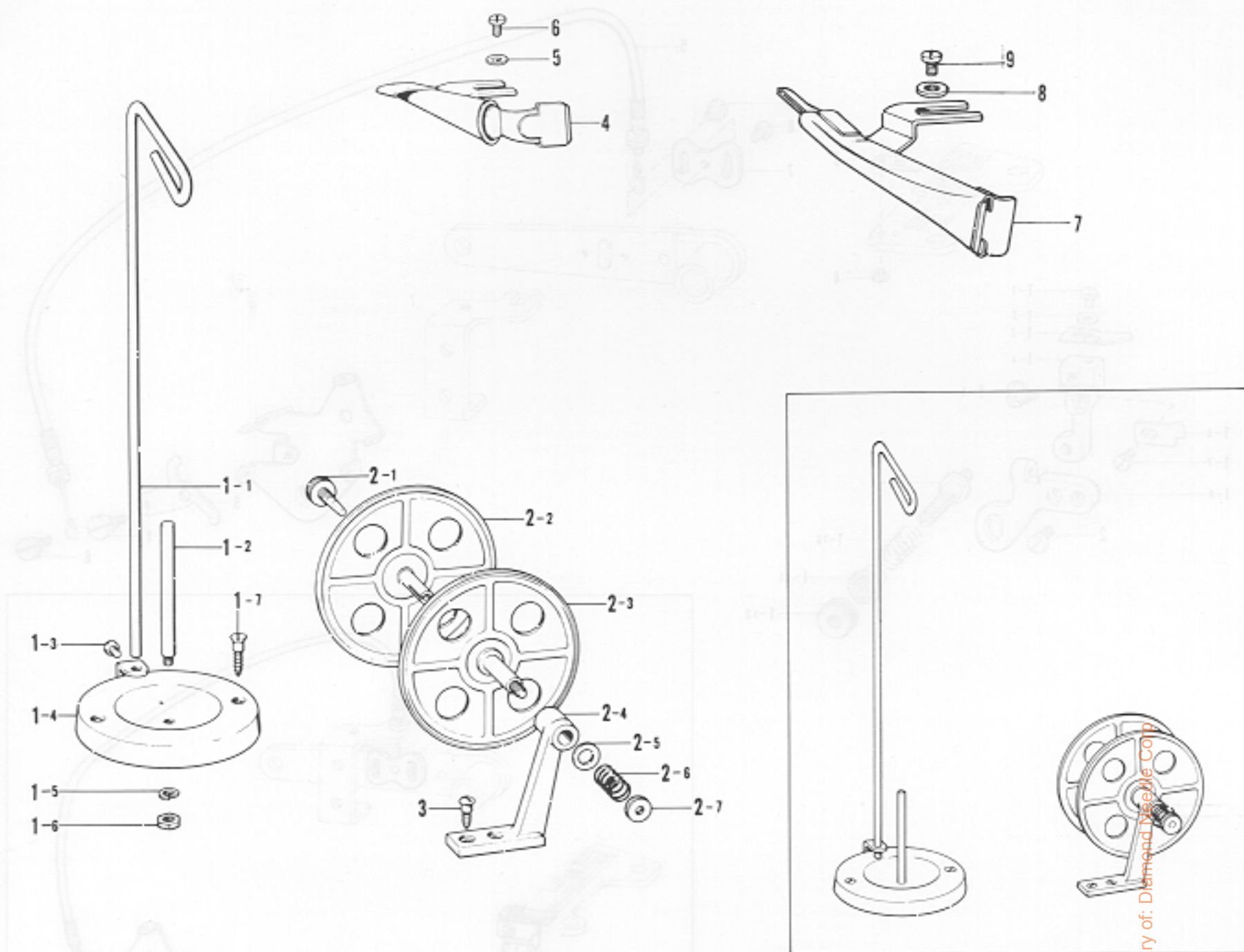


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Q-15- 1	Ruffling Blade Base Shaft	1	149203-0-01	Q-15 Piping Wrapper Base Assembly 149202-0-01	Q-15-16	Tension Spring Washer	1	144105-0-00	Q-15 Piping Wrapper Base Assembly 149202-0-01
Q-15- 2	Wrapper Base	1	146589-0-01		Q-15-17	Spring	1	144788-0-01	
Q-15- 3	Screw	2	101706-0-01		Q-15-18	Washer	1	025770-2-32	
Q-15- 4	Ruffling Plate Lifter	1	148387-0-01		Q-15-19	Looper Thread Tension Control Stud	1	110820-0-01	
Q-15- 5	Screw	2	101706-0-01		Q-15-20	Spring Base	1	146590-0-01	
Q-15- 6	Spring	1	144764-0-01		Q-15-21	Screw	2	105163-0-01	
Q-15- 7	Screw	1	001670-5-12		Q-15-22	Spring Plate	1	145808-0-01	
Q-15- 8	Spring Plate	1	145811-0-01		Q-15-23	Ruffler Base	1		
Q-15- 9	Screw	2	009680-6-12		Q-15-24	Ruffling Blade Guide D	1	154795-0-01	
Q-15-10	Bracket for Ruffling Blade	1	146588-0-01		Q-15-25	Ruffling Blade Guide	1	145807-0-01	
Q-15-11	Screw	1	147933-0-01		Q-15-26	Screw	2	009680-8-12	
Q-15-12	Handle Fixing Plate	1	145810-0-01		Q-15-27	Thread Guide Pipe	1	146592-0-01	
Q-15-13	Screw	1	110230-0-01		Q-15-28	Screw	1	013679-4-12	
Q-15-14	Nut	1	105234-0-03		Q-15-29	Nut	1	150553-0-02	
Q-15-15	Tension Nut	1	149566-0-02						



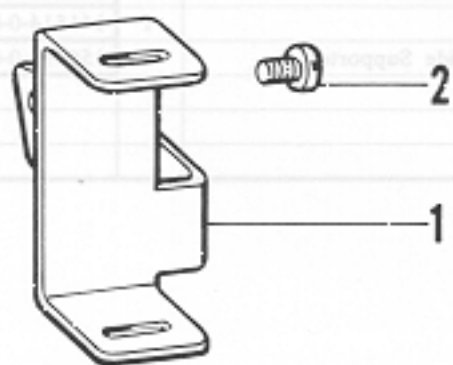
# R. Wrapper and Piping Parts

T. Backtracking



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
R-1-1	Thread Guide Stud	1		R-1 Cotton Stand Assembly 181031-0-01	R-2-5	Washer	1	108494-0-01	R-2 Tape Winder Assembly 143767-0-02
R-1-2	Spool Stud	1	100444-0-02		R-2-6	Spring	1	108495-0-01	
R-1-3	Screw 3.18	1	100080-0-02		R-2-7	Tension Control Nut	1	100136-0-01	
R-1-4	Spool Disc	1			R-3	Screw 4.5 x 20	2	101118-0-01	
R-1-5	Spring Washer	1	022050-2-42		R-4	Wrapper Assembly	1	147440-0-00	
R-1-6	Nut	1	110161-0-03		R-5	Washer	2	110735-0-02	
R-1-7	Screw 4.5 x 32	2	100447-0-01		R-6	Screw 4.37 x 6	2	009680-6-12	
R-2-1	Screw	1	143980-0-01	R-7	Wrapper Assembly	1	149197-0-00		
R-2-2	Tape Winder Wheel (L)	1		R-8	Washer	2	110735-0-02		
R-2-3	Tape Winder Wheel (R)	1		R-9	Screw 4.37 x 6	2	009680-6-12		
R-2-4	Tape Winder Bracket	1							

# S. Taping

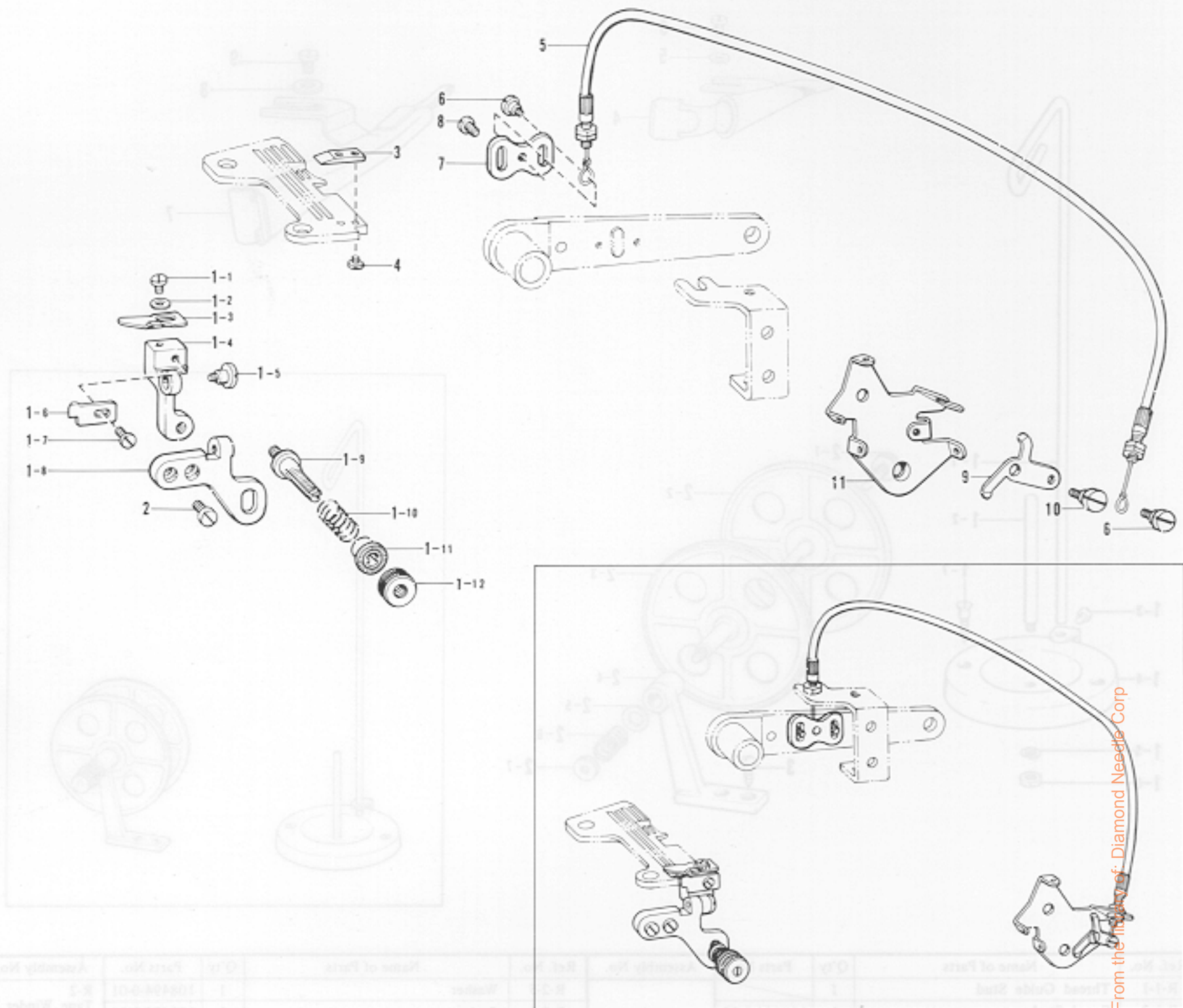


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
S-1	Tape Guide	1	155327-0-01	
S-2	Screw 3.18 x 4.5	2	009669-4-12	



# T. Backtacking

R. Wrapper and Piping Parts

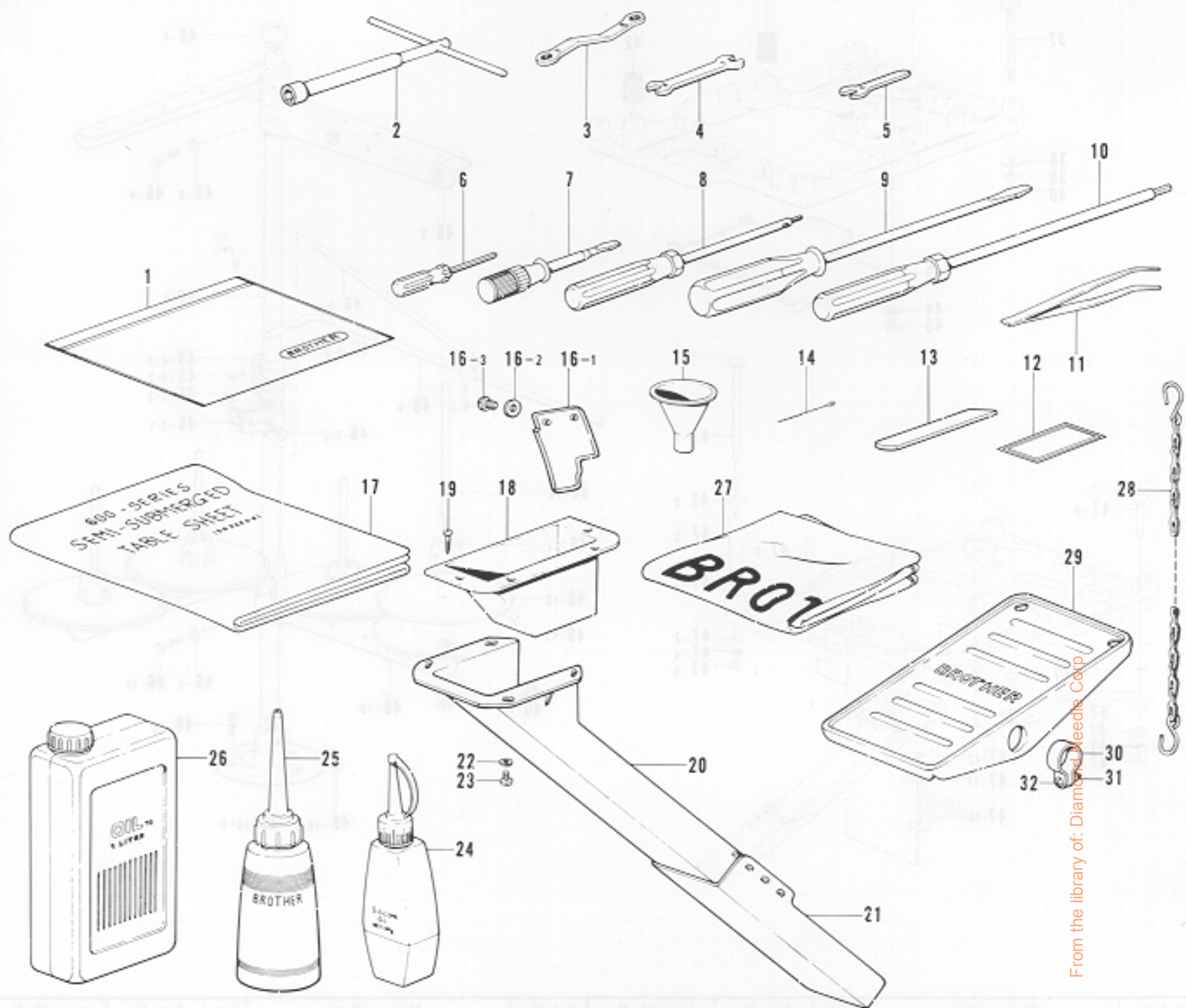


Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
T- 1- 1	Screw 3.18 x 4	1	009660-4-12	T-1 Back-tack Presser Assembly 147473-0-01
T- 1- 2	Washer	1	025030-1-32	
T- 1- 3	Back-tack Blade Presser Plate	1	147477-0-01	
T- 1- 4	Back-tack Blade Holder	1		
T- 1- 5	Screw 4.37	1	147476-0-01	
T- 1- 6	Back-tack Knife	1	147478-0-01	
T- 1- 7	Screw 3.18 x 4	1	009660-4-12	
T- 1- 8	Back-tack Blade Holder Supporter	1		
T- 1- 9	Thread Tension Control Stud	1	147148-0-01	
T- 1-10	Spring	1	147479-0-01	
T- 1-11	Tension Spring Washer	1	144105-0-00	
T- 1-12	Upper Thread Tension Adjusting Nut	1	151012-0-01	

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
T- 2	Screw 3.57 x 6	2	009670-6-12	T-2 Back-tack Guide Assembly 147484-0-01
T- 3	Back-tack Guide	1	147484-0-01	
T- 4	Screw 3.18	2	141544-0-01	
T- 5	Flexible Wire Assembly	1	147480-0-01	
T- 6	Screw	2	141514-0-01	
T- 7	Wire Plate	1	147672-0-01	
T- 8	Screw 3.57 x 6	2	009670-6-12	
T- 9	Thread Release Lever	1	148371-0-01	
T-10	Screw	1	141514-0-01	
T-11	Thread Guide Supporter	1	156092-0-01	



## Z. Accessories (1)



From the library of: Diamond Needs Corp

Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.
Z-1	Vinyl Bag		122991-0-01		Z-17	Table Sheet		155322-0-01	
Z-2	Wrench		140342-0-01		Z-18	Duster Drop		148430-0-01	
Z-3	Wrench 8 x 9		105343-0-01		Z-19	Screw 3.1 x 13		031311-3-02	
Z-4	Spanner 6 x 7		107779-0-01		Z-20	Duster Shoot L		148431-0-01	
Z-5	Spanner 4		155320-0-01		Z-21	Duster Shoot S		148432-0-01	
Z-6	Screw Driver 1.6		144124-0-01		Z-22	Washer		025680-2-32	
Z-7	Screw Driver 3.4 x 70		118837-0-01		Z-23	Screw 4.37 x 10		009681-0-12	
Z-8	Driver Wrench 2		146700-0-01		Z-24	Silicone Oil		142343-0-01	
Z-9	Screw Driver		101572-1-01		Z-25	Oiler		114483-0-01	
Z-10	Screw Driver 3		149173-0-01		Z-26	Oil Tank		145277-1-04	
Z-11	Tweezers		117466-0-00		Z-27	Head Cover		144225-0-01	
Z-12	Needle DC x 27 Assembly		151474-4-		Z-28	Chain Assembly		142262-0-01	
Z-13	Lower		155193-0-01		Z-29	Treadle Pedal		147893-0-01	
Z-14	Threader		142125-0-00		Z-30	Pedal Stopper		116016-0-01	
Z-15	Funnel		140759-0-00		Z-31	Nut 4		021400-1-06	
Z-16-1	Eye Guard			Z-16 Eye Guard Assembly 156022-0-01	Z-32	Screw 4 x 14		001401-4-06	
Z-16-2	Washer		025030-1-32						
Z-16-3	Screw 3.18 x 5		009660-5-12						

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

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

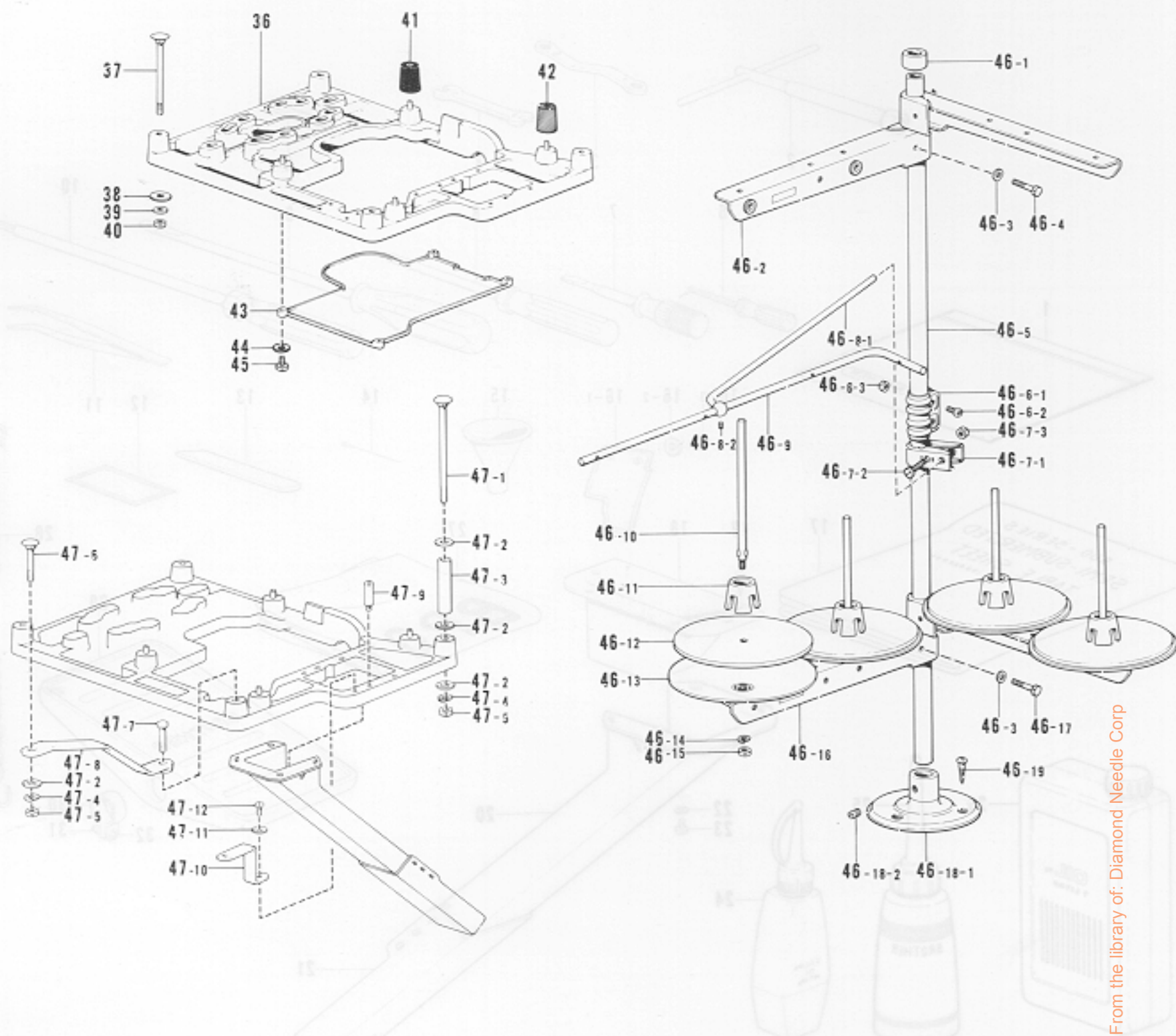
\* Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

\* Los detalles de los accesorios incluidos pueden variar.



## Z. Machine Base Plate and Cotton Stand Assembly (2)

(1) Accessories (1)



Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	Ref. No.	Name of Parts	Q'ty	Parts No.	Assembly No.	
Z-36	Head Plate	1	155321-0-00		Z-46-10	Spool Shaft (B)	4	150179-0-01	Z-46 Cotton Stand Assembly 150161-0-01	
Z-37	Bolt 8 x 85	4	210973-0-01		Z-46-11	Spool Cushion	4	126863-0-00		
Z-38	Washer 8	4	025080-2-36		Z-46-12	Spool Mat	4	150182-0-00		
Z-39	Spring Washer 2-8	4	028080-0-42		Z-46-13	Spool Stand Base	4	150180-0-00		
Z-40	Nut	4	021080-1-06		Z-46-14	Spring Washer 2-5	4	028050-2-43		
Z-41	Cushion	1	147919-0-01		Z-46-15	Nut 5	4	021500-1-03		
Z-42	Cushion	3	147919-0-02		Z-46-16	Spool Holder Assembly	2	150177-0-01		
Z-43	Oil Tank Cover	1	155323-0-00		Z-46-17	Bolt 5 x 28	2	017502-8-03		
Z-44	Washer	4	105161-0-03		Z-46-18-1	Cotton Stand Base	1	150189-0-01		Z-46-18 Cotton Stand Base Assembly 150139-0-01
Z-45	Screw 3.57 x 10	4	009671-0-12		Z-46-18-2	Screw 6 x 10	2	150181-0-01		
Z-46-1	Cap	1	150174-0-00	Z-46 Cotton Stand Assembly 150161-0-01	Z-46-19	Screw 4.5 x 22	3	031452-2-03		Z-47 Full-Submerged Set 155324-0-01 (Option Parts)
Z-46-2	Thread Hanger Assembly	2	147055-0-01		Z-47-1	Bolt	3	153318-0-01		
Z-46-3	Washer	4	025050-2-33		Z-47-2	Washer 8	8	025080-2-36		
Z-46-4	Bolt 5 x 28	2	017502-8-03		Z-47-3	Collar	3	153317-0-01		
Z-46-5	Pipe	2	150172-0-01		Z-47-4	Spring Washer 2-8	5	028080-2-42		
Z-46-6-1	Joint	1			Z-47-5	Nut	5	021080-1-06		
Z-46-6-2	Screw 5 x 14	2	150202-0-01		Z-47-6	Bolt 8 x 55	1	211964-0-01		
Z-46-6-3	Nut 5	2	021500-1-03		Z-47-7	Bolt 8 x 55	1	017085-5-02		
Z-46-7-1	Thread Guide Holder	1	150185-0-01		Z-47-8	Head Plate Supporter	1	153319-0-01		
Z-46-7-2	Bolt 5 x 28	1	017502-8-03		Z-47-9	Stud	3	155326-0-01		
Z-46-7-3	Nut 5	1	021500-1-03		Z-47-10	Duster Shoot Supporter	1	155325-0-01		
Z-46-8-1	Thread Guide Supporter Bar	1	142996-0-01		Z-47-11	Washer	1	025680-2-32		
Z-46-8-2	Set Screw	1	013719-4-12	Z-47-12	Screw 4.37 x 10	1	009681-0-12			
Z-46-9	Thread Guide 4	1	142998-0-01							

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






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

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

\* Los detalles de los accesorios incluidos pueden variar.



# DIFFERENT PARTS LIST

Sub Class	Specifications	Label		Stitch Length Control Plate 	Oil Cap 	Front Cover Assembly 	Needle DC x 27 or DC x 3 	Needle Clamp Assembly 			
		021-									
021-4	Thin	A-26	146975-0-39	A-32	154808-0-01	A-97	154857-0-01	B-26	147838-0-11	B-50	154908-0-01
022-5 -6	Thin, medium	A-26	146975-0-04								
			146975-0-05								
023-5 -6	Thin, medium (Mock safety)	A-26	146975-0-65								
			146975-0-40								
024-5	Thin, medium	A-26	146975-0-64								
025-6	Thin, medium (Mock safety)	A-26	146975-0-10								
026-4 -5 -6	Bulky Knit	A-26	146974-0-68								
			146975-0-12								
			146975-0-13								
027-5 -6 -7	Bulky Knit	A-26	146975-0-62								
			146975-0-41								
			146975-0-15								
028-5 -6 -7	Bulky Knit (Mock safety)	A-26	146975-0-63								
			146975-0-69								
			146975-0-16								
031-7	Denim	A-26	146975-0-17	A-32	154808-0-01	A-99	154859-0-01	B-26	151474-0-21	B-52	154912-0-01
032-7	Denim (Mock safety)	A-26	146975-0-18								
033-5	Ruffling	A-26	146975-0-19	A-34	154810-0-01						
034-5	Ruffling (Mock safety)	A-26	146975-0-20								
037-5	Ruffling (w/piping)	A-26	146995-0-21								
041-5	Taping	A-26	146975-0-23	A-32	154808-0-01	A-90	143196-0-01				
045-5 -6 -7	Bulky Knit taping	A-26	146975-0-31								
			146975-0-32								
			146975-0-33								
049-5 -6	Backtacking	A-26	146975-0-66								
			146975-0-67								
050-5	Piping	A-26	146975-0-72	A-32	154808-0-01	A-97	154857-0-01	B-26	151474-0-11		
051-6 -7	Bulky Knit	A-26	146975-9-81								
			146975-8-82								

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DIFFERENT PARTS LIST

Sub Class	Needle Guide F	Needle Plate	Over Looper	Differential Stitch Control	Differential Feed Dog	Main Feed Dog	Chain Feed Dog
021-4		B-54 146779-0-01				F-80 146748-0-01	
022-5 -6	B-24 146777-0-01	B-55 146781-0-01 146782-0-01	D-11 155240-0-01				
023-5 -6		B-55 146781-0-01 146782-0-01	D-14 155242-0-01	F-35 155172-0-01	F-83 146749-0-01	F-81 146744-0-01	F-82 146577-0-01
024-5	B-53 146778-0-01	B-56 148030-0-01	D-11 155240-0-01				
025-6		B-56 148031-0-01	D-14 155242-0-01				
026-4 -5 -6		B-54 146779-0-01 146780-0-01 148832-0-01	D-11 155240-0-01		F-96 148402-0-01	F-97 148401-0-01	
027-5 -6 -7	B-24 146777-0-01	B-55 146781-0-01 146782-0-01 146783-0-01		F-42 155173-0-01			F-87 146578-0-01
028-5 -6 -7		B-55 146781-0-01 146782-0-01 146783-0-01	D-15 155243-0-01		F-84 146750-0-01	F-86 146745-0-01	
031-7	B-53 146778-0-01	B-58 146785-0-01	D-11 155240-0-01				
032-7			D-15 155243-0-01	F-35 155172-0-01	F-88 146791-0-01	F-89 146790-0-01	F-82 146577-0-01
033-5			D-11 155240-0-01				
034-5		B-57 146786-0-01	D-14 155242-0-01	F-41 155174-0-01	F-90 146751-0-01	F-91 146746-0-01	F-87 146578-0-01
037-5						F-92 147828-0-01	F-93 147832-0-01
041-5		B-55 146781-0-01		F-35 155172-0-01	F-83 146749-0-01	F-81 146744-0-01	F-82 146577-0-01
045-5 -6 -7	B-24 146777-0-01	B-55 146781-0-01 146782-0-01 146783-0-01	D-11 155240-0-01	F-42 155173-0-01	F-84 146750-0-01	F-86 146745-0-01	F-87 146578-0-01
049-5 -6		B-59 148366-0-01 148367-0-01			F-80 146748-0-01	F-81 146744-0-01	F-82 146577-0-01
050-5		B-60 149192-0-01		F-35 155172-0-01		F-94 149193-0-01	F-95 149194-0-01
051-6 -7		B-61 150867-0-01 150868-0-01		F-42 155173-0-01	F-85 150873-0-01	F-86 146745-0-01	F-87 146578-0-01

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Sub Class	Presser Foot Assembly	Spring	Felt Holder Assembly	Spacer	Ruffler Interlocking Parts Assembly	Ruffling Attachment Assembly	Handle and Nut
021-4	G-50 154986-0-01		L-14 154933-0-01				
022-5				L-13 154937-0-01			
-6	G-52 154982-0-01						
023-5		J-18 144104-0-01	L-1 154930-0-01				
-6							
024-5	G-53 154987-0-01			L-15 154938-0-01			
025-6							
026-4	G-50 154986-0-01		L-14 154933-0-01				
-5							
-6							
027-5	G-54 154989-0-01			L-13 154937-0-01			
-6	G-55 154985-0-01						
-7							
028-5	G-54 154989-0-01						
-6	G-55 154985-0-01						
-7							
031-7							
G-53 154987-0-01	J-37 148851-0-01			L-15 154938-0-01			
032-7							
033-5							
G-56 154983-0-01							
034-5					Q-1 155547-0-02	Q-2 146587-1-02 Q-3 009781-8-12	Q-4 145809-0-01 Q-5 150556-0-02
037-5	G-57 154988-0-01	J-18 144104-0-01	L-1 154930-0-01	L-13 154937-0-01			
041-5							
G-60 154984-0-01							
045-5							
-6							
-7							
049-5	G-52 154982-0-01						
-6							
050-5	G-61 154990-0-01				Refer to Q-1-1~Q-1-7	Q-15 149202-1-02 Q-3 009781-8-12	Q-4 145809-0-01 Q-5 150556-0-02
051-6	G-46 154998-0-01						
-7							

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Sub Class	Knee Lifter Shaft Bracket Assembly	Connecting Bar Stud Screw	Cotton Stand	Tape Winder Assembly	Wrapper Assembly	Tape Guide	Back-tack Presser Assembly
021-4							
022-5							
-6							
023-5							
-6							
024-5							
025-6							
026-4							
-5							
-6							
027-5							
-6							
-7							
028-5							
-6							
-7							
031-7							
032-7							
033-5							
034-5	Q-11 155196-0-01 Q-12 009681-0-12	Q-13 155205-0-01 Q-14 146594-0-01					
037-5			R- 1 181031-0-01	R- 2 143767-0-02 R- 3 101118-0-01	R- 4 147440-0-00 R- 5 110735-0-02 R- 6 009680-6-12		
041-5							
045-5						S- 1 155327-0-01 S- 2 009669-4-12	
-6							
-7							
049-5							T- 1 147473-0-01 T- 2 009670-6-12
-6							
050-5					R- 7 149197-0-00 R- 8 110735-0-02 R- 9 009680-6-12		
051-6							
-7							

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I N D E X

Sub Class	Back-tack Guide 	Flexible Wire Assembly 	Wire Plate 	Thread Release Lever 	Thread Guide Supporter 	Needle DC x 27 or DC x 3 Assembly 			
021-4						Z-12	147838-4-11		
022-5									
-6									
023-5						Z-12	151474-4-11		
-6									
024-5									
025-6									
026-4						Z-12	147838-4-11		
-5									
-6									
027-5									
-6									
-7					J-13	110813-0-01	Z-12	151474-4-14	
028-5									
-5									
-7									
031-7									
032-7						Z-12	151474-4-21		
033-5									
034-5									
037-5						Z-12	151474-4-11		
041-5									
045-5									
-6						Z-12	151474-4-14		
-7									
049-5	T- 3 147484-0-01	T- 5 147480-0-01	T- 7 147672-0-01	T- 9 148371-0-01	T-11 156092-0-01				
-6	T- 4 141544-0-01	T- 6 141514-0-01	T- 8 009670-6-12	T-10 141514-0-01		Z-12	151474-4-11		
050-5									
051-6					J-13	110813-0-01	Z-12	151474-4-14	
-7									

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