

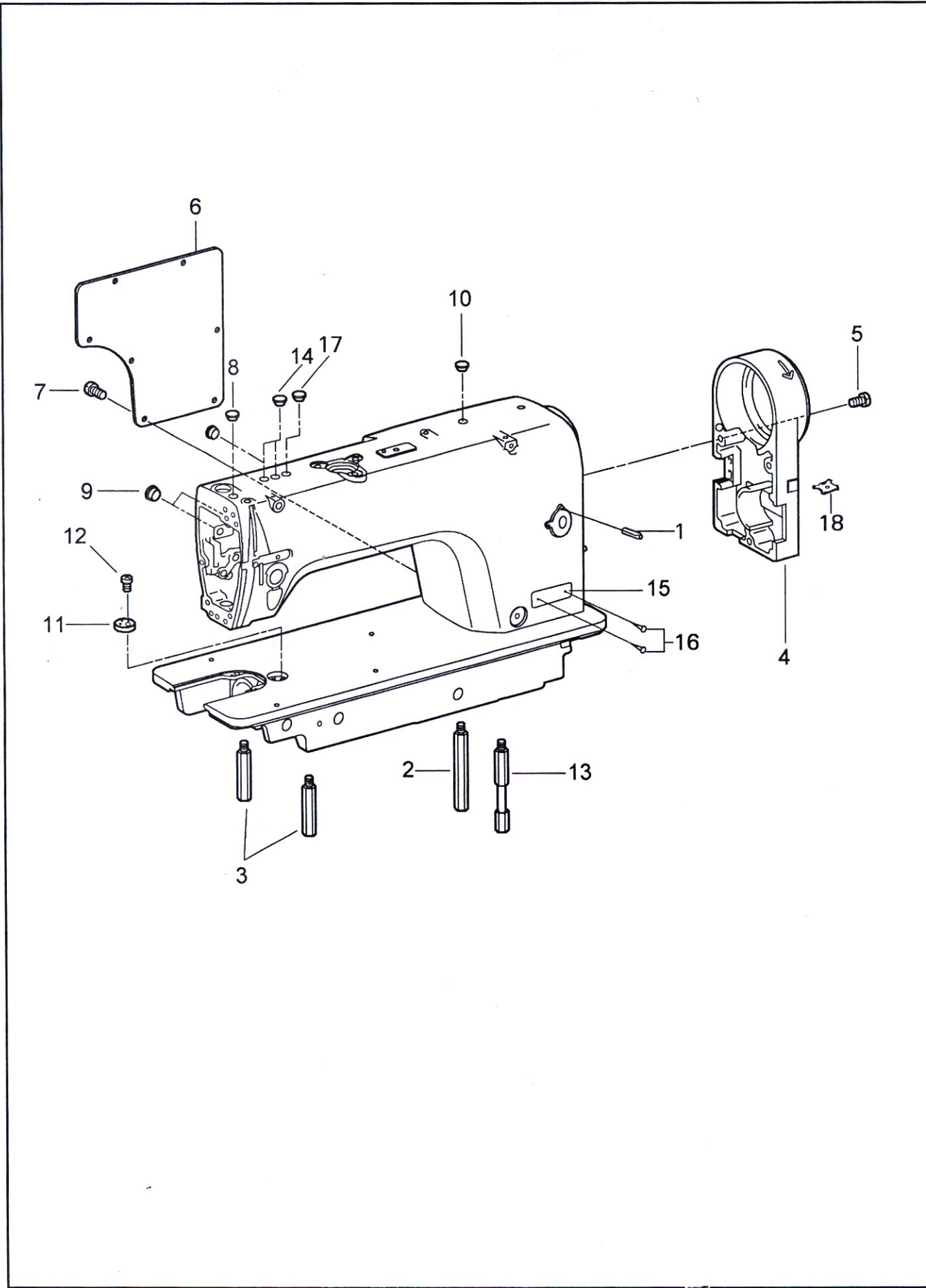


TYPICAL

GC673 SERIES

SINGLE NEEDLE DIRECT DRIVE LOCK
STITCHER WITH THREAD TRIMMER
INSTRUCTION BOOK
PARTS CATALOGUE

1. MACHINE BODY



1. MACHINE BODY

No.	Ref.No.	Description	Qt	Note
1	217N00025	Stitch length dial pin	1	
2	BXF9904009	Stand, R	1	
3	BXF9903009	Stand, L	2	
4	230100001	Motor cover	1	
5	B048509894	Screw M5x12	3	
6	BXF9905001	Side plate	1	
7	B048509894	Screw M5x12	7	
8	022200011	Rubber cap Φ 8.8	1	
9	B906661009	Rubber cap 15.5	2	
10	B993174009	Rubber cap 9.4	1	
11	BX01489959	Ruler plate	1	
12	B048600494	Screw M4x6	2	
13	BXF8930009	Stand, RF	1	
14	B906650909	Rubber cap 8	3	
15	198000013	Model plate	1	
15	198000014	Model plate	1	
16	BXF8899009	Rivet	2	
17	BX78847009	Rubber cap Φ 8.5	1	
18	238100009	Screw-driver	1	

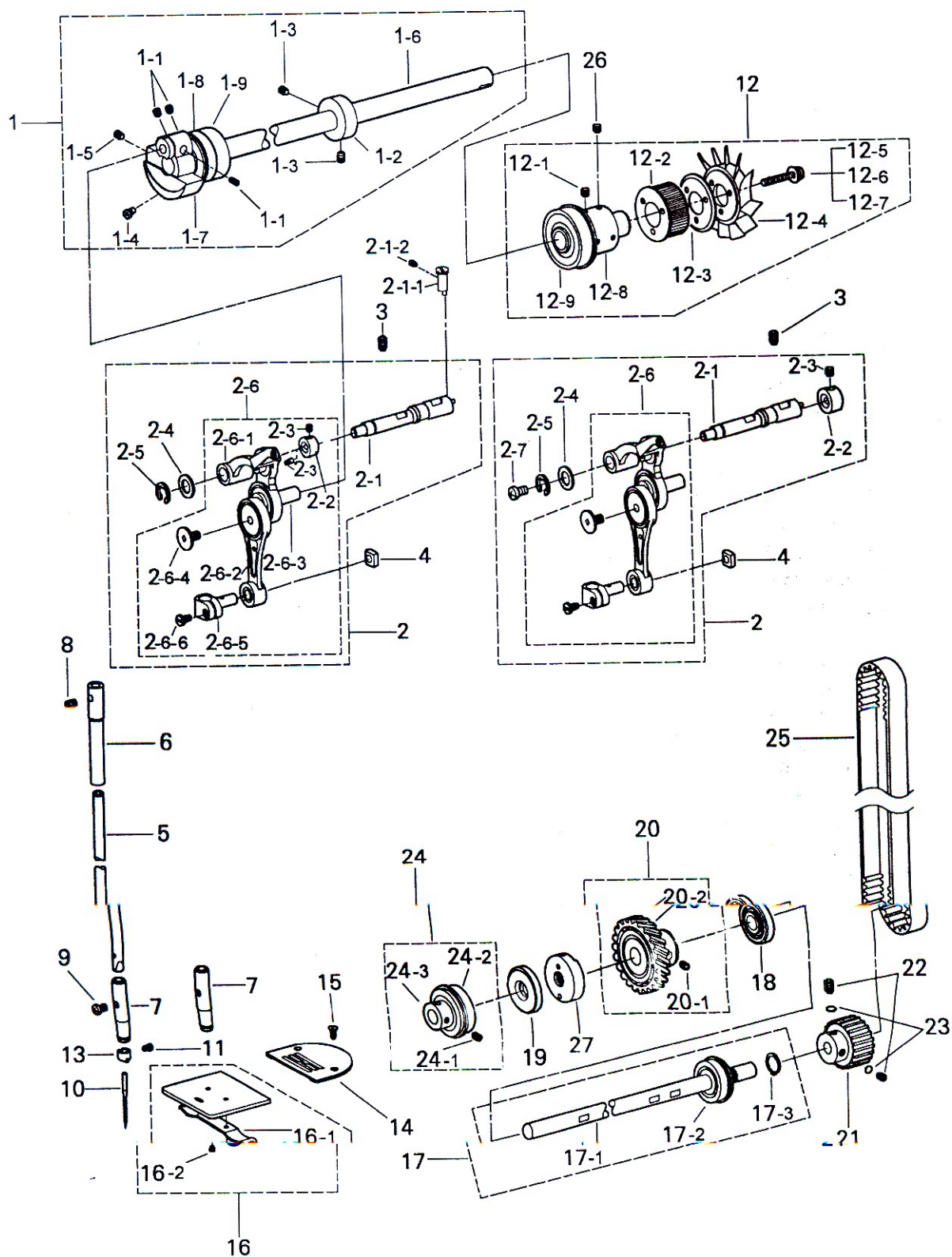
This diagram illustrates the exploded view of a mechanical assembly, with components identified by numerical callouts. The assembly is organized into several sub-assemblies, each enclosed in a dashed-line box:

- Top Left Assembly (1):** Features a central shaft (1-6) with various bushings (1-1, 1-2, 1-3, 1-4, 1-5, 1-7, 1-8, 1-9) and a flange (1-10).
- Top Right Assembly (12):** Includes a gear (12-4) mounted on a shaft (12-3) with various bushings (12-1, 12-2, 12-5, 12-6, 12-7, 12-8, 12-9).
- Middle Left Assembly (2):** Shows a complex linkage mechanism with multiple joints (2-1, 2-2, 2-3, 2-4, 2-5, 2-6, 2-6-1, 2-6-2, 2-6-3, 2-6-4, 2-6-5, 2-6-6) and a pin (2-1-1).
- Middle Right Assembly (2):** Similar to the middle left, it shows a linkage mechanism with joints (2-1, 2-2, 2-3, 2-4, 2-5, 2-6, 2-7) and a pin (2-1-1).
- Bottom Left Assembly (16):** Consists of a base plate (16-1, 16-2) with mounting holes and a pin (16-3).
- Bottom Center Assembly (17):** Features a shaft (17-1) with a flange (17-2) and a pin (17-3).
- Bottom Right Assembly (20):** Includes a gear (20-1) mounted on a shaft (20-2) with a pin (20-3).
- Other Components:**
 - 8: A long pin or shaft.
 - 9: A small bushing or pin.
 - 10: A small pin or shaft.
 - 11: A small pin or shaft.
 - 13: A small pin or shaft.
 - 14: A small pin or shaft.
 - 15: A small pin or shaft.
 - 18: A small pin or shaft.
 - 19: A small pin or shaft.
 - 21: A small pin or shaft.
 - 22: A small pin or shaft.
 - 23: A small pin or shaft.
 - 24: A small pin or shaft.
 - 25: A long, tapered pin or shaft.
 - 26: A small pin or shaft.
 - 27: A small pin or shaft.

2. NEEDLE BAR AND THREAD TAKE-UP MECHANISM

No.	Ref.No.	Description	Qt	Note
1	230210000	Upper shaft assy	1	
1-1	BX87459009	Set screw M6x6	3	
1-2	BXF9980009	Bobbin winder driving wheel	1	
1-3	BX87459009	Set screw M6x6	2	
1-4	BX85875009	Screw M8	1	
1-5	BX85874009	Set screw M6x10	1	
1-6	BXF3285009	Upper shaft	1	
1-7	217100013	Needle bar crank	1	
1-8	S150866037	Bearing 6004 2ZNR	1	
1-9	BX85876009	Bearing 6004 2Z	1	
2		Needle bar conecting rod unit	1	M
2		Needle bar conecting rod unit	1	H
2-1	217N00002	Thread take-up support shaft	1	
2-1-1	BXF3871909	Positioning pin	1	
2-1-2	B098500574	Screw M5x5	1	
2-2	BXF9985009	Tighten ring	1	
2-3	B098600674	Screw M4x4	2	
2-4	BXF8949009	Washer	1	
2-5	B062040768	Retaining ring E6	1	
2-6	BXF9981009	Thread take-up lever assy	1	M
2-6	BXF9984009	Thread take-up lever assy	1	H
2-6-1	BXF9970009	Thread take-up small lever assy	1	M
2-6-1	BXF9983009	Thread take-up small lever assy	1	H
2-6-2	BXF8914009	Needle bar conecting rod set	1	M
2-6-2	BXF8913009	Needle bar conecting rod set	1	H
2-6-3	BX85868009	Thread take-up crank	1	M
2-6-3	BX85855009	Thread take-up crank	1	H
2-6-4	BXF8688009	Screw SM3.57-40x6L	1	
2-6-5	BX85863009	Needle bar guide	1	
2-6-6	B960006009	Screw SM3.57-40x7	1	
2-7	S8A3101005	Screw M3X6	1	6733M
3	B098049074	Screw M6x10	2	
4	B908470009	Needle bar guide slide block	1	
5	BXF9977009	Needle bar	1	M
5	BXF9973009	Needle bar	1	H
5	BXF9975009	Needle bar	1	6733M
6	BXF8916909	Needle bar bush, U	1	
7	BXF9972009	Needle bar bush, D	1	M
7	BXF9971009	Needle bar bush, D	1	H
8	B098500574	Screw M5x5	1	
9	B048500494	Screw M5x6	1	
10	S150901011	Needle DBx1 14#	1	M
10	S150901012	Needle DPx5 18#	1	H
11	B960557908	Screw SM3.18	1	

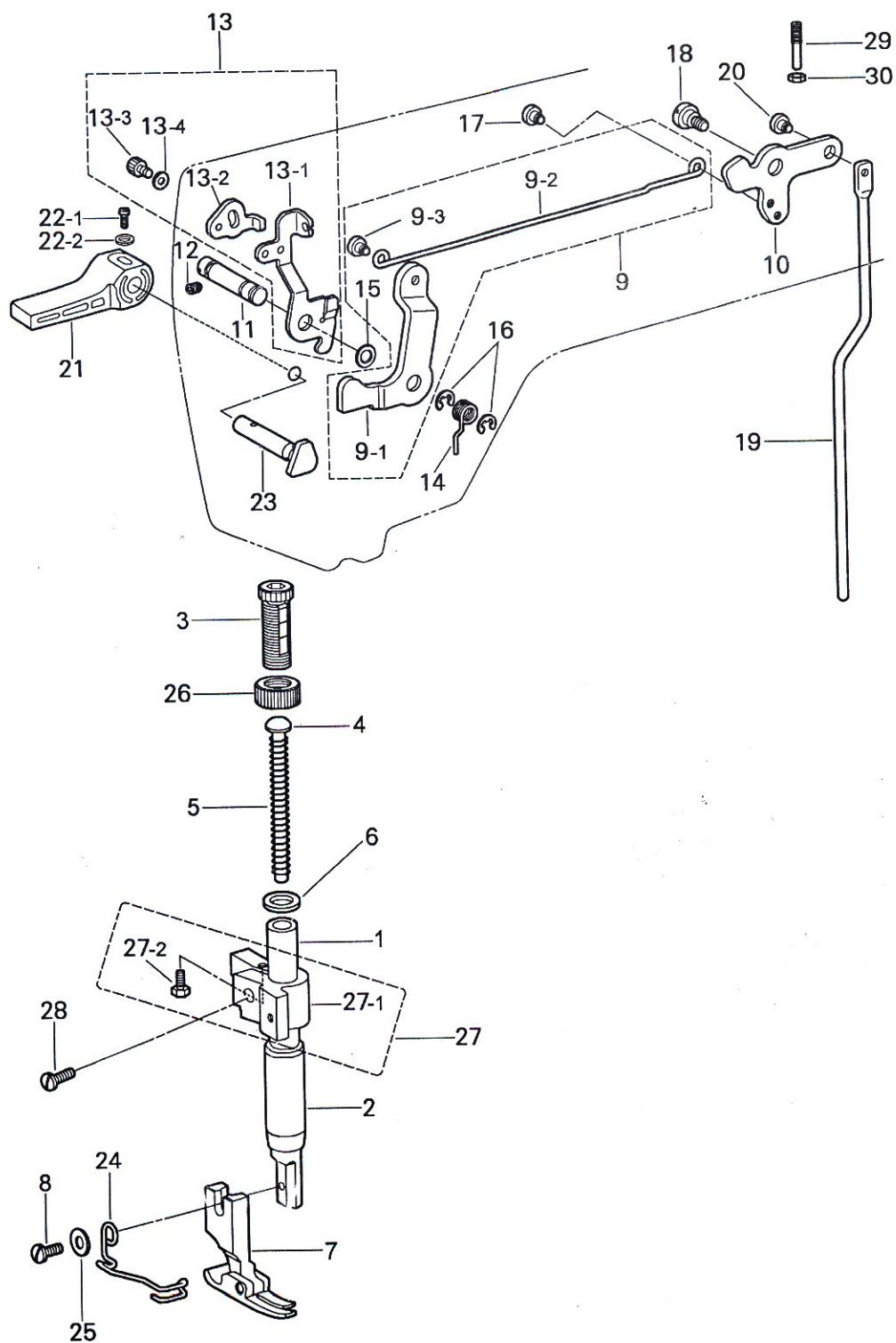
2. NEEDLE BAR AND THREAD TAKE-UP MECHANISM



2. NEEDLE BAR AND THREAD TAKE-UP MECHANISM

No.	Ref.No.	Description	Qt	Note
12		Joint unit	1	
12-1	BX87459009	Set screw M6x6	2	
12-2	BXF8859009	Timing pulley, U	1	
12-3	BX72398009	Flange	1	
12-4	BX72397900	Fan	1	
12-5	B048607598	screw M4x35	3	
12-6	S8A3103011	Spring washer 4	3	
12-7	B085060878	Washer M4	3	
12-8	BXF9969009	Power transmission	1	
12-9	S150866006	Bearing 6204 2ZNR	1	
13	B959516009	Needle bar thread guide	1	
14	153100002	Needle plate	1	M
14	153100004	Needle plate	1	H
15	022100020	Screw SM4.37-40x8	2	
16	B920092959	Slide plate assy	1	
16-1	B996549059	Spring, plate	1	
16-2	B988339059	Screw SM2.38	2	
17	BXF9967009	Lower shaft assy	1	
17-1	BXF9966009	Lower shaft	1	
17-2	S150866057	Bearing 6301 2ZNR	1	
17-3	B062980968	Retaining ring C12	1	
18	BX85609900	Oil seal, NOK BC4907E	1	
19	BXF9793009	Oil seal, NOK XC0028E	1	
20	BXF9944009	Lower shaft gear assy	1	
20-1	BX87459009	Set screw M6x6	2	
20-2	BXF9943009	Gear	1	
21	BXF8859009	Timing pulley, D	1	
22	BX87459009	Set screw M6x6	2	
23	BXF8732009	Washer 4.8	2	
24	BXF9950009	Bearing bush assy	1	
24-1	BX87459009	Set screw M6x6	2	
24-2	S150866037	Bearing 6004 2ZNR	1	
24-3	BXF9959009	Bearing bush R	1	
25	BXF8858009	Timing belt 570-3GT-15	1	
26	BX87459009	Set screw M6x6	2	
27	BXF8856909	Lower shaft bush	1	

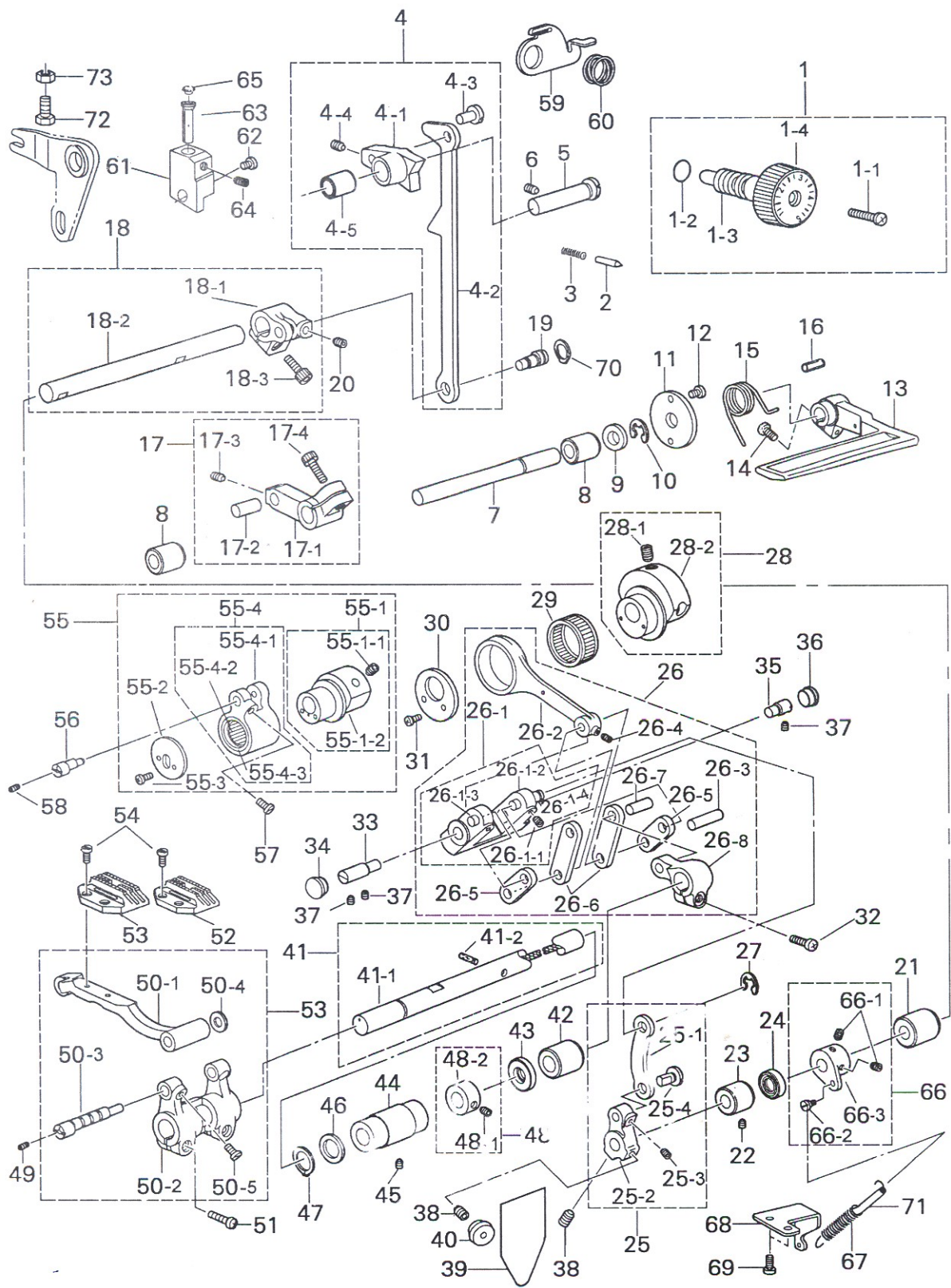
3. PRESSER FOOT MECHANISM



3. PRESSER FOOT MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9939009	Presser bar	1	
2	BXF3868009	Presser bar bush	1	
3	BXF9936009	Presser adjusting screw M14	1	
4	B969802089	Spring guide	1	
5	BX97549909	Presser bar spring	1	M
5	B969382009	Presser bar spring	1	H
6	B960603009	Washer	1	
7	02276	Presser foot assy	1	M
7	153720000	Presser foot assy	1	H
8	022700015	Screw SM3.57-40x11	1	
9	BXF9934009	Presser bar lifter lever assy	1	
9-1	BXF9933009	Presser bar lifter lever	1	
9-2	BXF9932009	nee lifter connecting rod	1	
9-3	BXF9931009	Shoulder screw M5	1	
10	BXF7120009	Knee lifter lever	1	
11	BXF9929009	Presser bar lifter lever shaft	1	
12	B098500574	Set screw M5x5	1	
13	BXF9928009	Tension release plate assy	1	
13-1	BXF9927009	Tension release plate	1	
13-2	BXF9926009	T-release selection plate	1	
13-3	B092600578	Bolt M4x5	1	
13-4	B085060878	Washer M4	1	
14	BXF9924009	P-bar lifter lever spring	1	
15	BX03750009	Washer	1	
16	B062050768	Retaining ring E5	2	
17	BXF9931009	Shoulder screw M5	1	
18	BXF8945009	Shoulder screw M6	1	
19	BXF9910009	Knee lifter bar	1	
20	BXF9931009	Screw M5	1	
21	BX79004089	Lifting lever	1	
22-1	B048759894	Screw M3.5x12	1	
22-2	S8A3103003	Washer 4	1	
23	BX65273009	Presser bar lifter crank	1	
24	057700002	Finger guard	1	
25	B085750978	Washer S3.5	1	
26	BXF9935009	Adjust screw nut M14	1	
27		Presser bar guide bracket assy	1	
27-1	BXF2006009	Presser bar guide bracket	1	
27-2	BXF9917009	Bolt M3x7.5	1	
28	B048609894	Screw M4x12	1	
29	BXF9921009	Adjust screw M6	1	
30	B089040704	Nut M6	1	

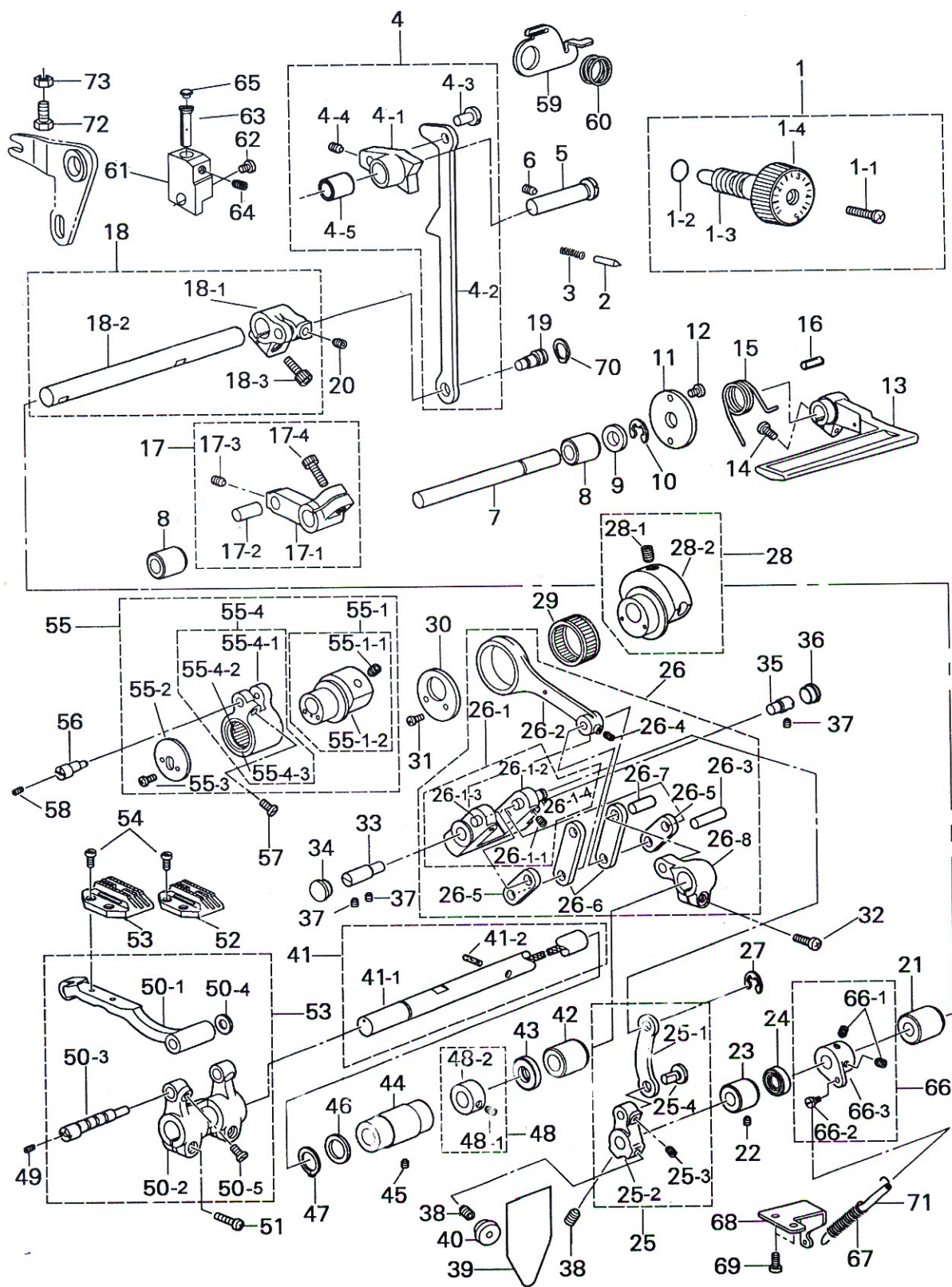
4. FEED MECHANISM



4. FEED MECHANISM

No.	Ref.No.	Description	Qt	Note
1		Stitch length dial assy	1	
1-1	BXF6616009	Screw SM4.76	1	
1-2	124510003	O Ring	1	
1-3	217N00021	Feed regulating supporter	1	
1-4	230100010	Dial for stitch length regulator	1	
2	BX50012909	Positioning pin	1	
3	B900782009	Spring	1	
4		Feed regulator assy	1	
4-1	217N00023	Feed regulator	1	
4-2	BXF9806009	F- regulator connecting rod	1	
4-3	217100043	Connecting stud	1	
4-4	B098500574	Set screw 5x5	1	
4-5	B968736900	Bush L=20	1	
5	BXF3475009	Feed regulator shaft	1	
6	B098049074	Set Screw M6x5	2	
7	BXF9804009	Reverse sewing shaft	1	
8	BX85641900	Bush L=12	2	
9	B085900978	Washer S10	1	
10	B062020768	Retaining ring E8	1	
11	BXF9803009	Spacer	1	
12	B048500294	Screw M5x8	2	
13	BXF3789009	Reverse lever	1	
14	B048509694	Screw M5x14	1	
15	BXF9801009	Reverse lever spring	1	
16	B957978000	Nylon tube L=13.5	1	
17		Handle shaft arm assy	1	
17-1	BXF9899009	Handle shaft arm	1	
17-2	B954152089	Feed rock arm shaft pin	1	
17-3	B098500574	Set screw M5x5	1	
17-4	B092509474	Bolt M5x16	1	
18		Feed regulator shaft assy	1	
18-1	BXF8250909	Feed regulator shaft arm	1	
18-2	BXF9896009	Feed regulator shaft	1	
18-3	B092509674	Bolt M5x14	1	
19	BXF8259009	Eccentric pin	1	
20	B098500574	Set screw M5x5	1	
21	BXF9895009	Feed regulator shaft bush R	1	
22	B098040574	Set screw M6x5	1	
23	BXF9894009	Feed regulator shaft bush L	1	
24	BXF9841009	Oil seal AC0371E	1	
25	BXF9893009	Connecting rod S assy	1	
25-1	BX79211959	F-regulator connecting rod	1	
25-2	BXF9892009	Feed regulator shaft joint	1	
25-3	B098500574	Set screw M5x5	1	
25-4	217100043	Connect pin	1	
26		Feed regulator unit	1	
26-1		Feed regulator assy	1	
26-1-1	B098500574	Set screw M5x5	2	
26-1-2	BXF3785009	Feed regulator	1	
26-1-3	B954159089	Crank short connecting pin	1	
26-1-4	217100010	Crank length connecting pin	1	
26-2	BXF9887009	Level feed connecting rod	1	
26-3	BXF9886009	Link shaft	1	
26-4	B098500574	Set screw M5x5	2	
26-5	BX94774009	Level feed link assy	2	
26-6	BX94772009	Feed rocker arm link assy	2	
26-7	BX58105009	F-rocker arm stud	1	
26-8	BXF9885009	Feed rock arm	1	
27	B062060768	Retaining ring E4	1	
28		Eccentric wheel unit	1	
28-1	BX85874009	Set screw M6x10	2	
28-2	BXF9846009	Eccentric wheel	1	
29	S150866003	Roller bearing K25x29x10	1	
30	BX85789009	Guardrail splint	1	
31	B048750494	Screw M3.5x6	2	

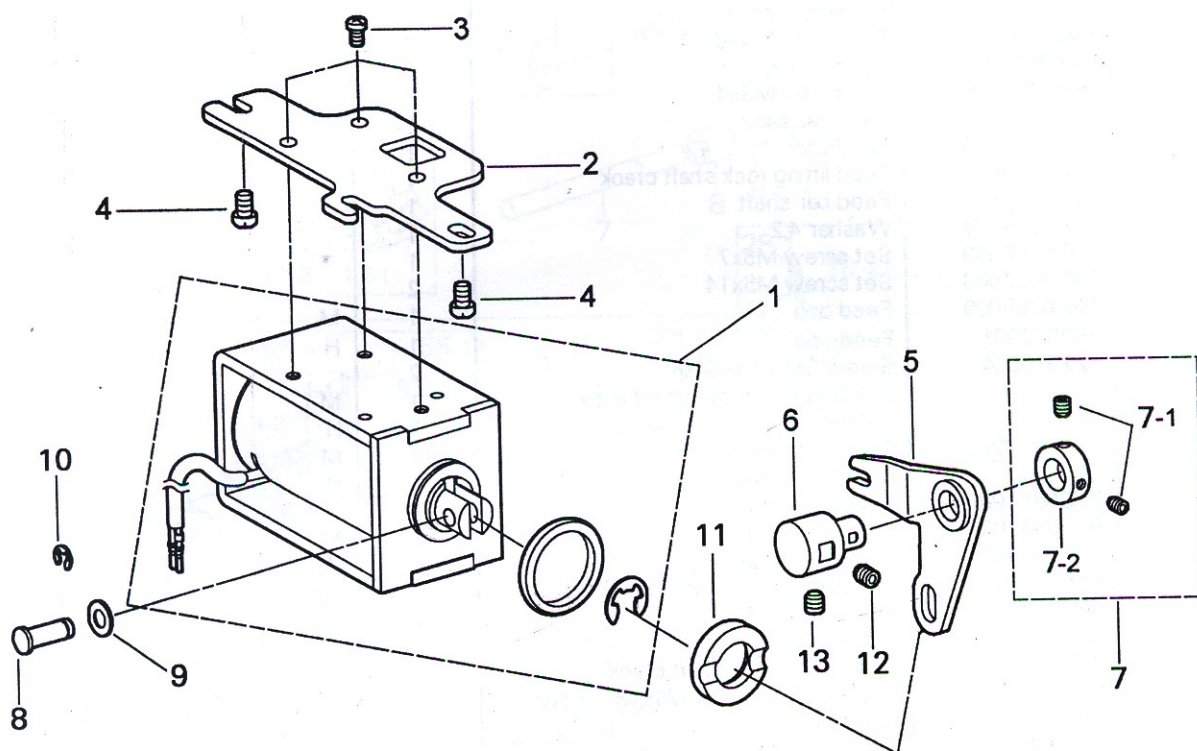
4. FEED MECHANISM



4. FEED MECHANISM

No.	Ref.No.	Description	Qt	Note
32	B048509694	Screw M5x14	1	
33	BXF9884009	Feed regulator shaft L	1	
34	B906661009	Rubber cap 15.5	1	
35	BXF9883009	Feed regulator support shaft	1	
36	BXF9882009	Rubber cap 14.5	1	
37	B098040574	Set screw M6x5	2	
38	BX87459009	Set screw M6x6	2	
39	001C00010	Rubber cap label	1	
40	BX76758909	Rubber cap 13.5	1	
41		Feed rock shaft assy	1	
41-1	BXF9879009	Feed rock shaft	1	
41-2	BXF8948009	Felt	1	
42	BXF9874009	Feed shaft bush R	1	
43	BXF9873009	Oil seal XC0029E	1	
44	BXF9877009	Feed shaft bush L	1	
45	B098040574	Set screw M6x5	1	
46	B954867089	Thrust ring 2x15x22ST	1	
47	B062950968	Retaining ring external C15	1	
48		Set screw collar	1	
48-1	BX87459009	Set screw M6x6	2	
48-2	BXF9875009	Tighten ring	1	
49	B096700678	Set screw M3x4	1	
50		Feed bar assy	1	
50-1	BXF9871809	Feed bar	1	
50-2	BXF3770009	Feed lifting rock shaft crank	1	
50-3	217100016	Feed bar shaft	1	
50-4	B952388089	Washer 4.2	1	
50-5	BXF9868009	Set screw M5x7	1	
51	BXF3853009	Set screw M5x14	2	
52	BXF8765009	Feed dog	1	M
53	153600001	Feed dog	1	H
54	022610004	Screw SM3.18-44x6	2	
55		F-lifting eccentric wheel assy	1	M
55		F-lifting eccentric wheel assy	1	H
55-1		Eccentric wheel assy	1	M
55-1		Eccentric wheel assy	1	H
55-1-1	BX85874009	Set screw M6x10	2	
55-1-2	BXF9862009	Eccentric wheel	1	M
55-1-2	BXF9858009	Eccentric wheel	1	H
55-2	BX85771909	Feed bracket arm presser	1	
55-3	B60300612	Screw M3x6	2	
55-4		Crank assy	1	
55-4-1	217101001	Feed lifting rock shaft crank	1	
55-4-2	S150866055	Needle bearing K20x24x13	1	
55-4-3	217101002	retaining ring	2	
56	217100017	Feed bar shaft	1	
57	BXF9868009	Set screw M5x7	1	
58	B096700678	Set screw M3x4	1	
59	BX63502909	Lock lever	1	
60	BX72770909	Spring	1	
61	217N00008	Condensed base	1	
62	B048509894	Set screw M5x12	1	
63	217N00009	Condensed support	1	
64	B098049074	Screw M6x10	1	
65	B906277009	Rubber cap 4.3	1	
66		Spring hook arm assy	1	
66-1	BX87459009	Screw M6x6	2	
66-2	BX85683909	Shoulder screw M4	1	
66-3	BXF8818009	Spring setting plate	1	
67	BXF8816009	Spring	1	
68	BXF8817009	Spring pull plate	1	
69	B048500294	Set screw M5x8	2	
70	B062900968	Retaining ring C10	1	
71	BXF7996009	Vinyl tube 3x5 L=70	1	
72	BXF8763009	Bolt M5x16	1	
73	B089500794	Nut M5	1	

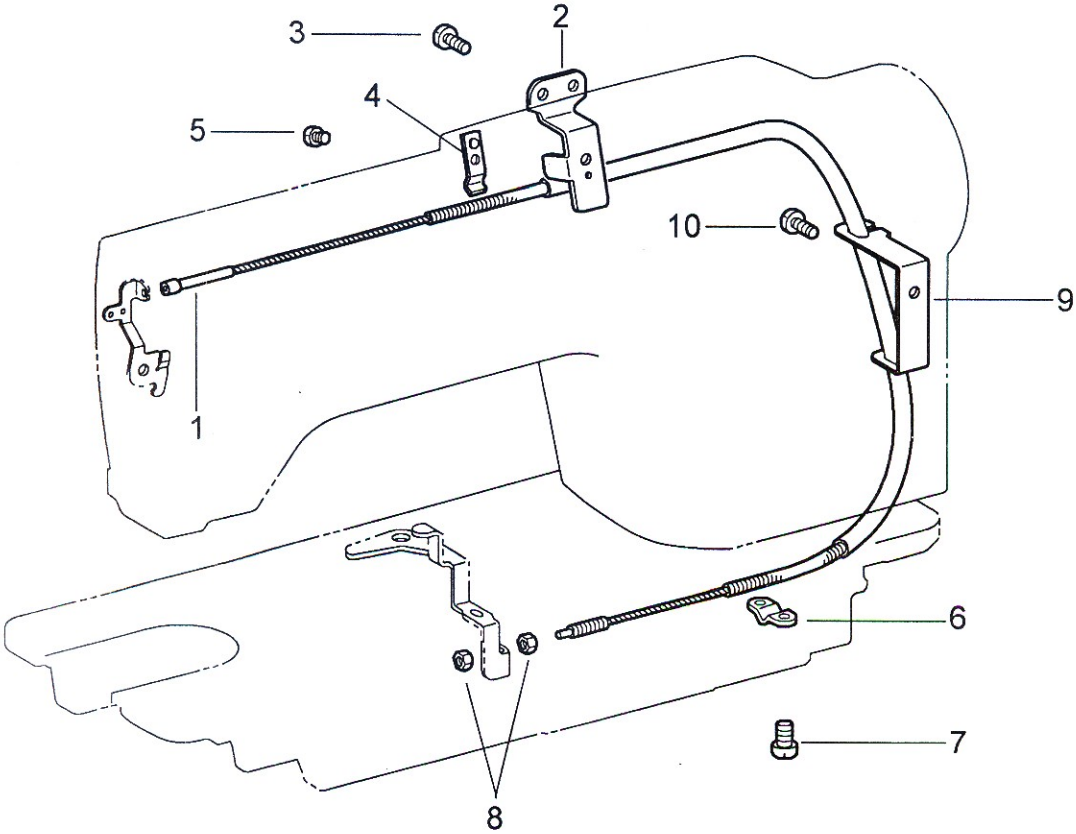
5. QUICK REVERSE MECHANISM



5. QUICK REVERSE MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9711909	Backstitch solenoid assy	1	
2	BXF9852009	Solenoid base	1	
3	B048500294	Screw M5x8	3	
4	B048049094	Screw M6x10	2	
5	BXF8258009	Solenoid lever	1	
6	BXF8266009	Solenoid lever shaft	1	
7		Set collar assy	1	
7-1	B098500574	Set screw M5x5	2	
7-2	217100006	Set collar	1	
8	BXF8118009	Connect pin	1	
9	217100045	Washer 6.5	1	
10	W120607001	Retaining ring C6	1	
11	BXF8824009	Rubber cushion	1	
12	B098040574	Set screw M6x5	1	
13	B098500574	Set screw M5x5	1	

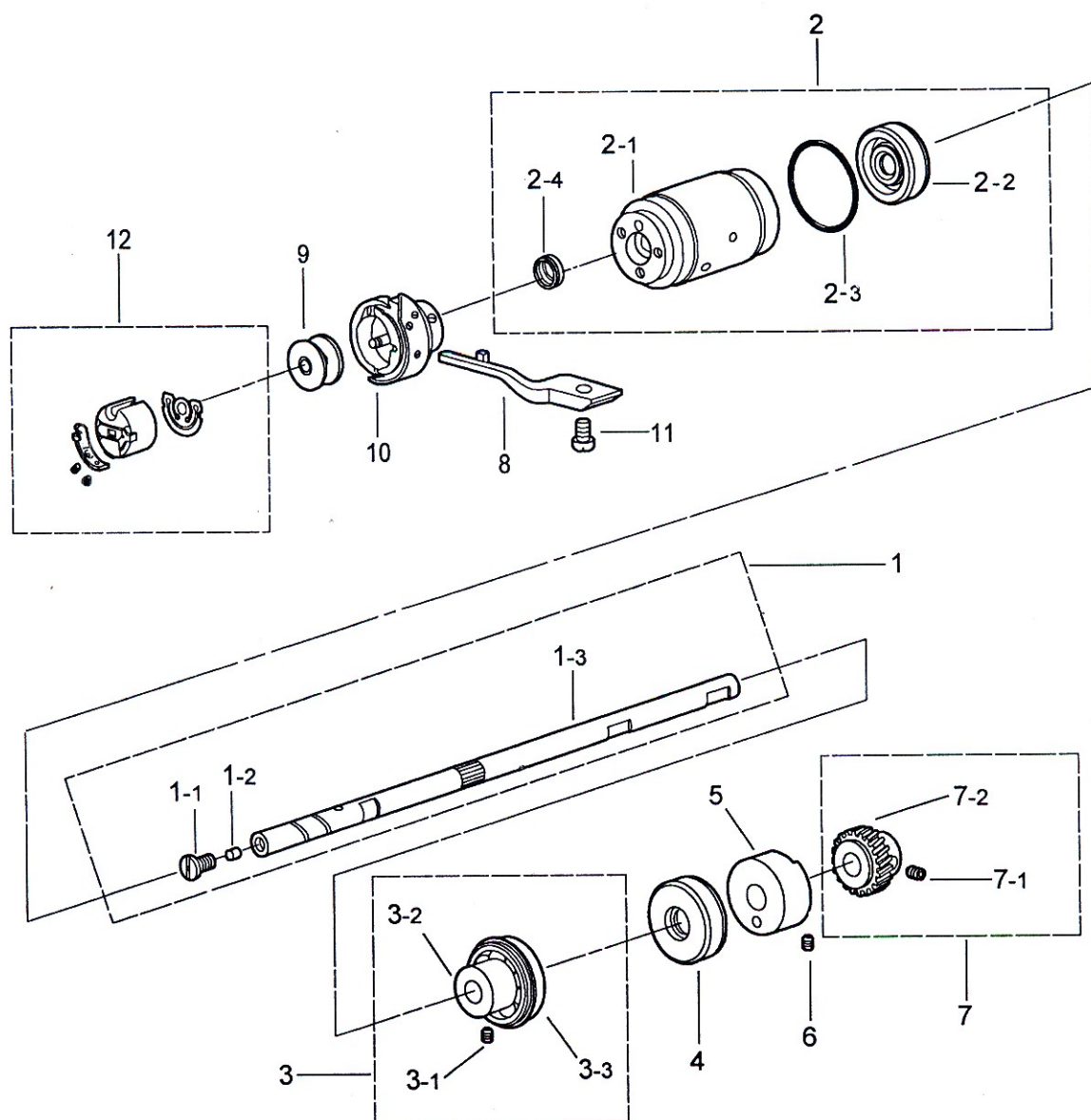
6. TENSION RELEASE MECHANISM



6. TENSION RELEASE MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9739809	Tension release steel wire	1	
2	217200002	Wire holder	1	
3	B048500294	Screw M5x8	2	
4	BXF9737009	Wire holder U	1	
5	B040600594	Screw M5x4	1	
6	B956403909	Wire holder D	1	
7	B040600294	Screw M4x8	2	
8	B990949006	Nut SM4.76	2	
9	217200003	Wire cord holder	1	
10	B048500294	Screw M5x8	1	

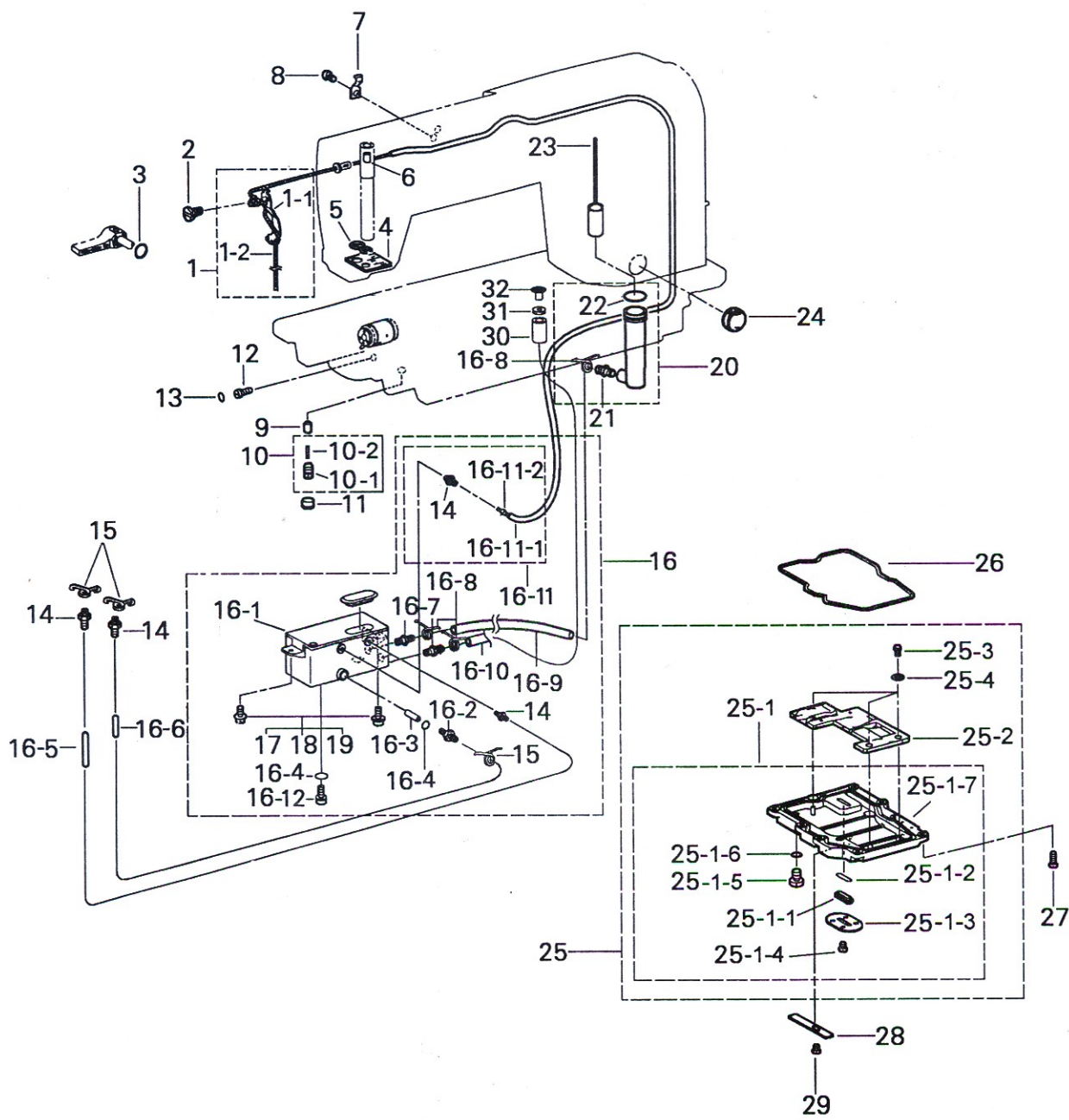
7. ROTARY HOOK MECHANISM



7. ROTARY HOOK MECHANISM

No.	Ref.No.	Description	Qt	Note
1		Rotary hook shaft assy	1	
1-1	BXF3962009	Screw M5-0.8	1	
1-2	217100036	Oil stopper	1	
1-3	BXF3848909	Rotary hook shaft	1	
2		Pump bush unit	1	
2-1	BXF3846009	Pump bush	1	
2-2	BX85608000	Oil seal	1	
2-3	B029085230	O ring S25	1	
2-4	BXF3780009	Oil seal	1	
3		Bearing bush assy	1	
3-1	BX87459009	Set screw M6x6	2	
3-2	BXF9828009	Bearing bush	1	
3-3	S150866056	Bearing NSK 6901 2ZNR	1	
4	BXF9826009	Oil seal	1	
5	BXF9825009	Rotary hook shaft gear bush	1	
6	B098040574	Set screw M6x5	1	
7		Rotary hook shaft gear assy	1	
7-1	BX87459009	Set screw M6x6	2	
7-2	BXF9823009	Rotary hook shaft gear		
8	BX08408089	Hook stopper	1	M
8	B951786089	Hook stopper		H
9	036400006	Bobbin	1	M
9	048400003	Bobbin	1	H
10	03643	Rotary hook	1	M
10	217C00001	Rotary hook	1	H
11	217100030	Screw M4x12	1	
12	03642	Bobbin case assy	1	

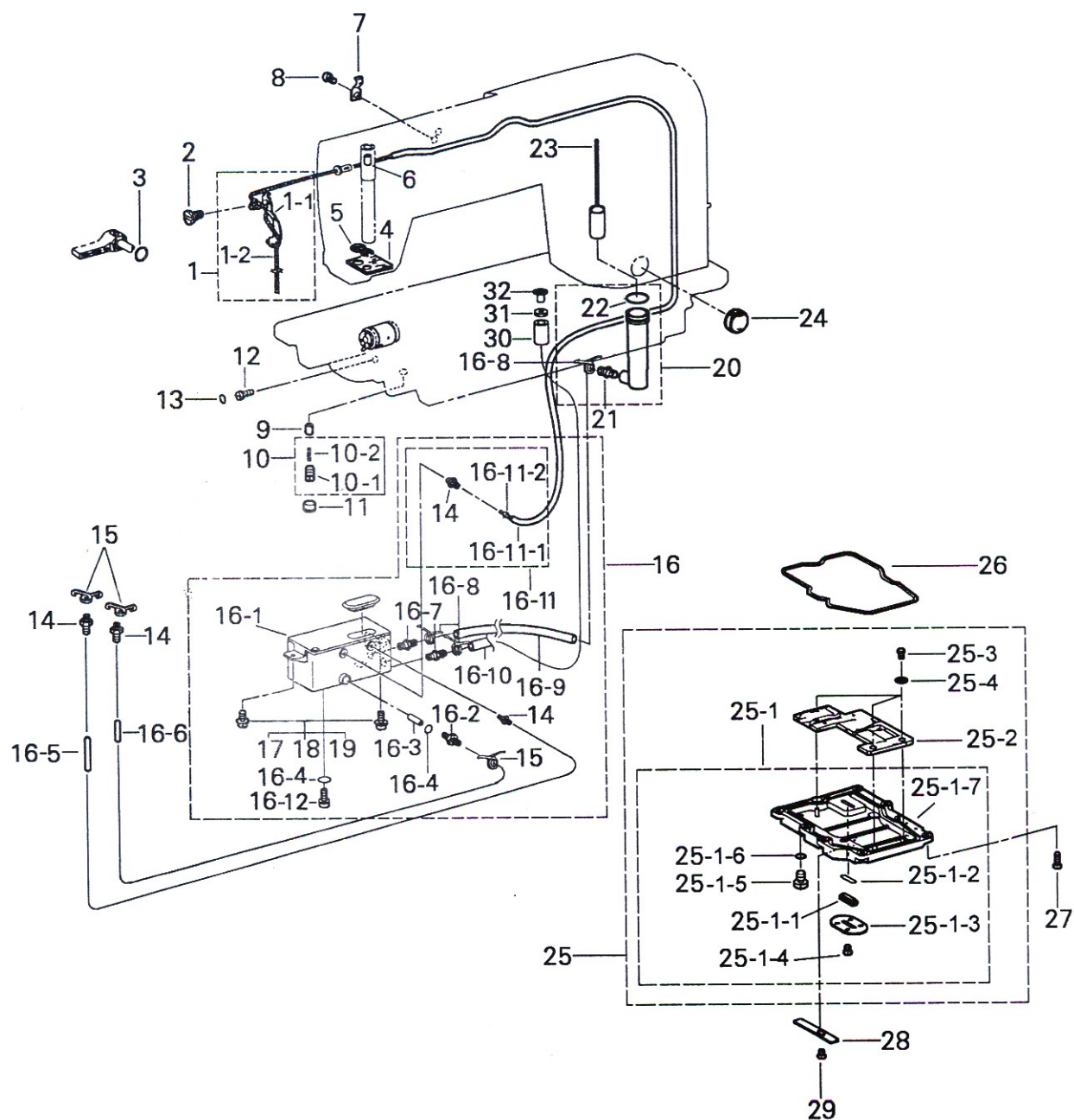
8.LUBRICATION MECHANISM



8.LUBRICATION MECHANISM

No.	Ref.No.	Description	Qt	Note
1		Wick holder assy	1	
1-1	BXF9817009	Wick holder	1	
1-2		Wick	1	
2	B048500494	Screw M5x6	1	
3	B029006030	O ring P4	1	
4	BX72341000	Felt	1	
5	B965373089	Felt support	1	
6	B999247009	Needle bar cork	1	
7	BXF9815009	Cord holder T2	1	
8	B048500294	Screw M5x8	1	
9	036400015	Plunger	1	
10		Pump cap screw assy	1	
10-1	BX85720609	Screw	1	
10-2	B966234009	Spring compression	1	
11	B906289009	Rubber cap 10.5	1	
12	BX85729009	Adjusting screw	1	
13	B029006230	O ring S4	1	
14	BX85728009	Oil feeding pipe	4	
15	217100038	Tube clamp	3	
16	230121000	Oil tank set	1	
16-1	230121100	Oil tank assy	1	
16-2	230121002	Oil feeding pipe M8	1	
16-3	230100014	FeltΦ6x15	1	
16-4	B029002030	O ring P8	2	
16-5	BXF9700009	Vinyl tube 3x5 L=140	1	
16-6	BXF9700009	Vinyl tube 3x5 L=100	1	
16-7	BXF7060009	Oil feeding pipe	2	
16-8	BXF7055909	Tube clamp	3	
16-9	BXF9700009	Vinyl tube 6x8 L=190	1	
16-10	BXF7940009	Vinyl tube 6x8 L=250	2	
16-11	BXF8767009	Vitta assy	1	
16-11-1	BXF9706009	Vinyl tube 3x5 L=750	1	
16-11-2	W109301001	Nylon wick L=1050	1	
16-12	BXF9707009	Screw M8	1	
17	B048509894	Screw M5x12	1	
18	B082050864	Spring washer 2-5	2	
19	B085050874	Washer 5	2	

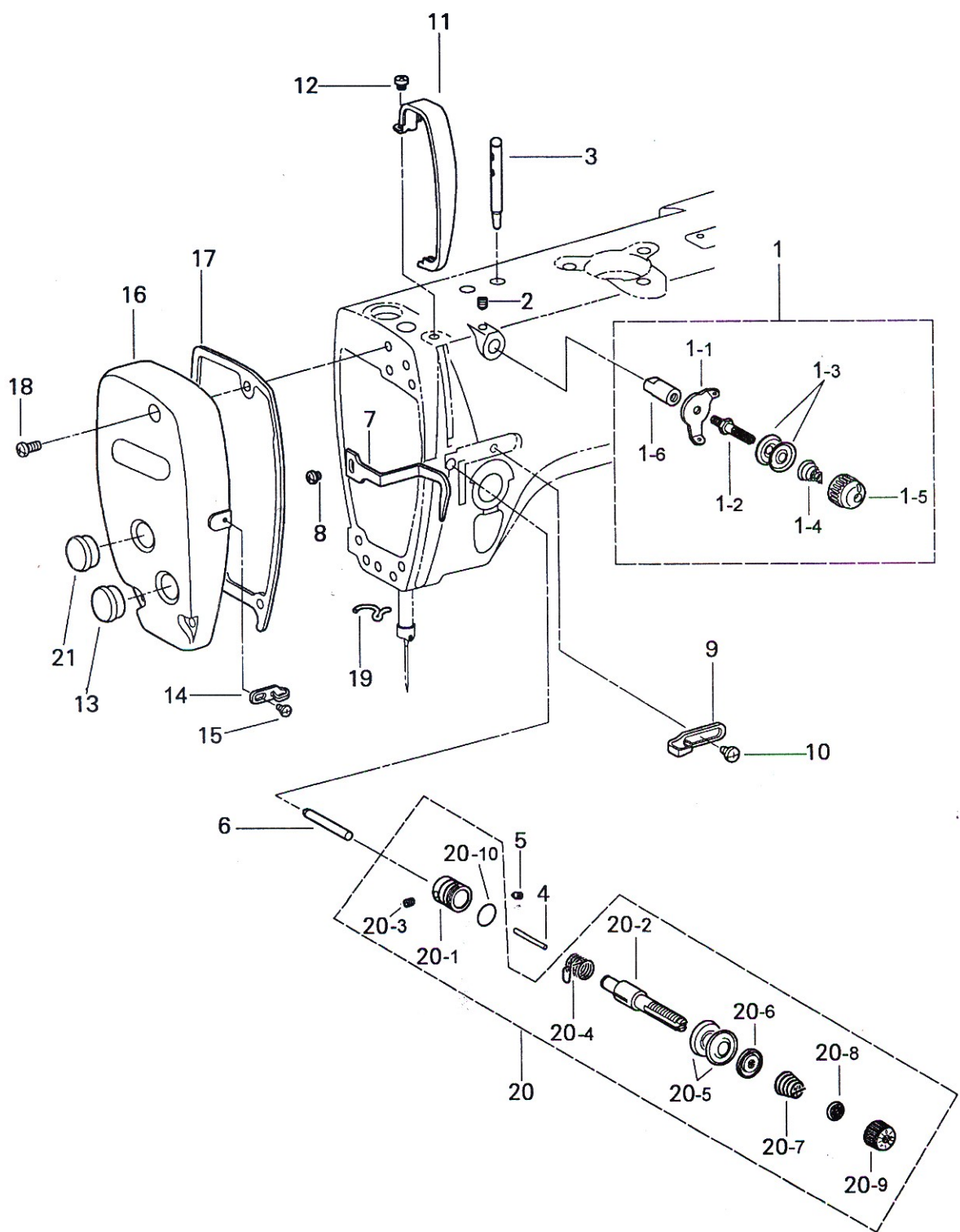
8.LUBRICATION MECHANISM



8.LUBRICATION MECHANISM

No.	Ref.No.	Description	Qt	Note
20		Sub tank assy	1	
21	230120001	Oil feeding pipe	1	
22	B029088230	O ring S22	1	
23	230122000	Float assy	1	
24	BX63501009	Oil gauge window	1	
25		Bed bottom cover unit	1	
25-1		Bed bottom cover assy	1	
25-1-1	BX59838000	Oil window B-cover	1	
25-1-2	B029095230	O ring S15	1	
25-1-3	BXF9797009	Window cover	1	
25-1-4	B048500494	Screw M5x6	4	
25-1-5	BXF9707009	Screw M8	1	
25-1-6	B029002030	O ring P8	1	
25-1-7	217100014	Bed bottom cover	1	
25-2	BXF9795709	Bottom cover felt	1	
25-3	B048600494	Screw M4x6	3	
25-4	S150632001	Washer plain L4	3	
26	BXF9796009	Bottom cover packing	1	
27	B048509894	Screw M5x12	9	
28	BXF9794009	Cord holder plate	1	
29	B048500494	Screw M5x6	1	
30	230121003	Oil feeding pocket	1	
31	230121004	Rubber tube	1	
32	230121005	Rubber cap	1	

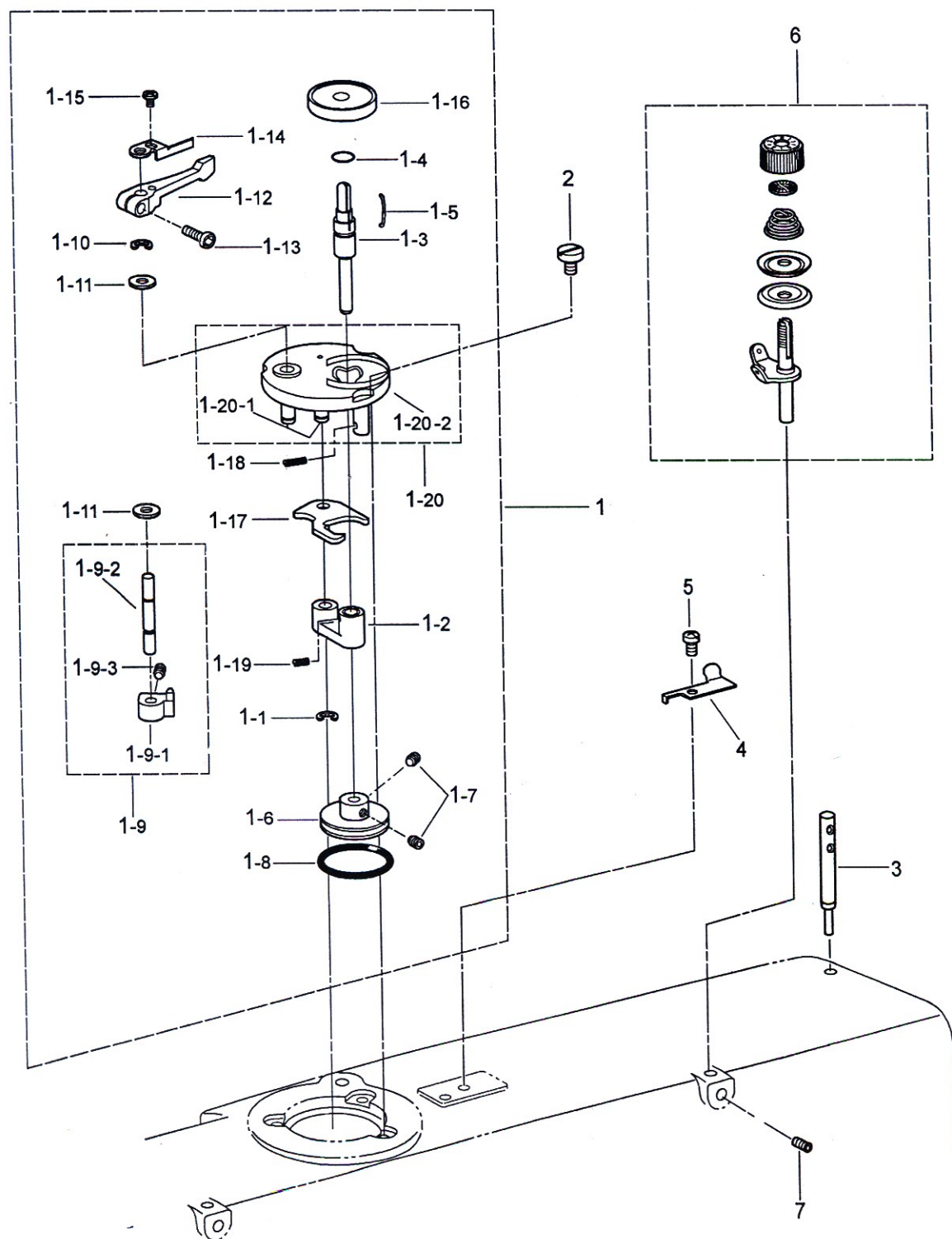
9. THREADING MECHANISM



9. THREADING MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF8758909	Pre-tension assy B	1	
1-1	BXF8748009	Thread guide	1	
1-2	BX65547009	Thread guide tension stud	1	
1-3	B966506009	Thread guide disc	2	
1-4	BXF8752909	Pre-tension spring	1	
1-5	BXF4943009	Thread tension nut	1	
1-6	BXF8747009	Pre-tension base	1	
2	B098500574	Set screw M5x5	1	
3	BXF9751009	Spool pin	1	
4	BX09691000	Tension release pin	1	
5	BXF9881909	Set screw M6x6	1	
6	BXF9767009	Tension release stud	1	
7	BXF8693009	Thread guide P-bar bracket	1	
8	B048600294	Screw M4x8	1	
9	BXF9765009	Arm thread guide R	1	
10	B040500494	Screw M5x6	1	
11	BXF9768001	Thread take-up lever cover	1	
12	B048500494	Screw M5x6	1	
13	B906661009	Rubber cap 15.5	1	
14	BXF3839009	Face plate thread guide	1	
15	B040750494	Screw M3.5x6	1	
16	230100005	Faceplate	1	
17	217100018	Face plate packing	1	
18	B048509694	Screw M5x14	3	
19	B900537009	Thread guide D	1	
20	BXF3837009	Thread tension bracket assy	1	M
20	BX55455809	Thread tension bracket assy	1	H
20-1	BX60172009	Thread tension bracket	1	
20-2	B994188009	Tension stud	1	
20-3	B900608006	Set screw SM3.57	1	
20-4	BX08480809	Thread take-up spring	1	
20-5	B965664009	Tension disc	2	
20-6	B951205009	Tension disc presser	1	
20-7	BXF3835009	Tension spring	1	M
20-7	BX06478909	Tension spring	1	H
20-8	BX98669009	Washer	1	
20-9	BX79078009	Tension nut	1	
20-10	B996816009	O ring	1	
21	022130003	Rubber cap Φ 19	1	

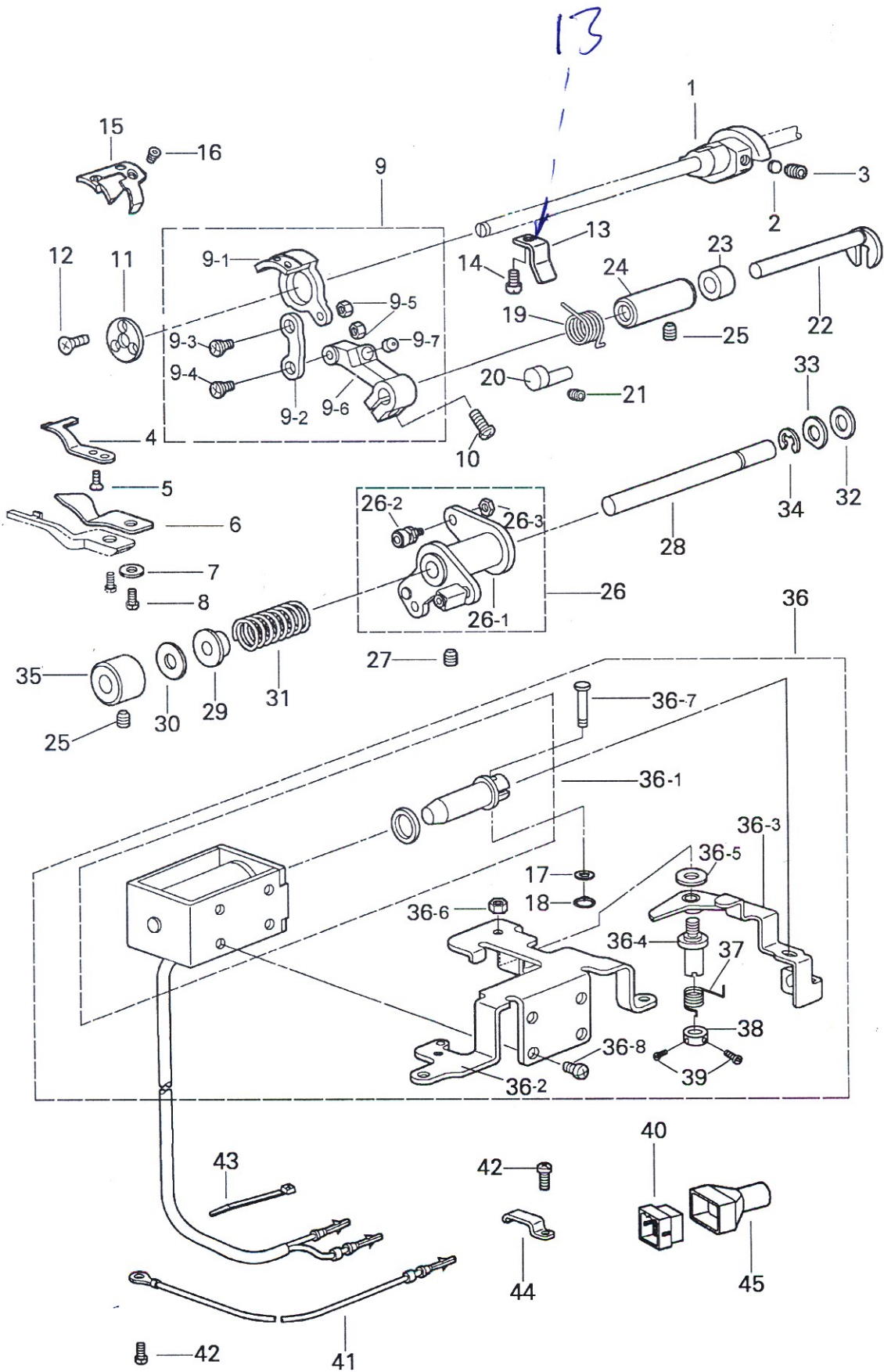
10. BOBBIN WINDER MECHANISM



10. BOBBIN WINDER MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9139909	Bobbin winder unit	1	
1-1	B062060768	Retaining ting E4	1	
1-2	BXF9135009	B-winder shaft support assy	1	
1-3	BXF9132009	Bobbin winder shaft	1	
1-4	217102002	O ring	1	
1-5	217102001	Bobbin fixed spring	1	
1-6	BXF9120009	Bobbin winder wheel	1	
1-7	S150224025	Set screw M4x6	2	
1-8	BX85321000	Rubber ring	1	
1-9	BXF9129909	Bobbin presser cam assy	1	
1-9-1	BXF9128909	Bobbin presser cam	1	
1-9-2	BXF9127009	Bobbin winder arm shaft	1	
1-9-3	S150224026	Set screw M5x5	1	
1-10	B062060768	Retaining ring E4	1	
1-11	B085040974	Washer plain S6	2	
1-12	217100042	Bobbin presser arm	1	
1-13	S150237044	Screw M4x12	1	
1-14	BXF9125009	Bobbin presser	1	
1-15	S150217018	Screw M4x5	1	
1-16	217100033	Bobbin support	1	
1-17	BXF9121009	Bobbin winder lever	1	
1-18	BXF9110909	Spring	1	
1-19	BXF9119009	Bobbin winder base spring	1	
1-20	BXF9138009	Bobbin winder support assy	1	
1-20-1	BXF9136009	Bobbin winder support shaft	1	
1-20-2	BXF9137009	Bobbin winder support	1	
2	BXF9118009	Bobbin winder fixed screw	3	
3	BXF9751009	Spool pin	1	
4	BXF9740909	Knife	1	
5	B048500494	Screw M5x6	1	
6	BXF9116009	Bobbin winder tension assy	1	
7	B098500574	Set screw M5x5	1	

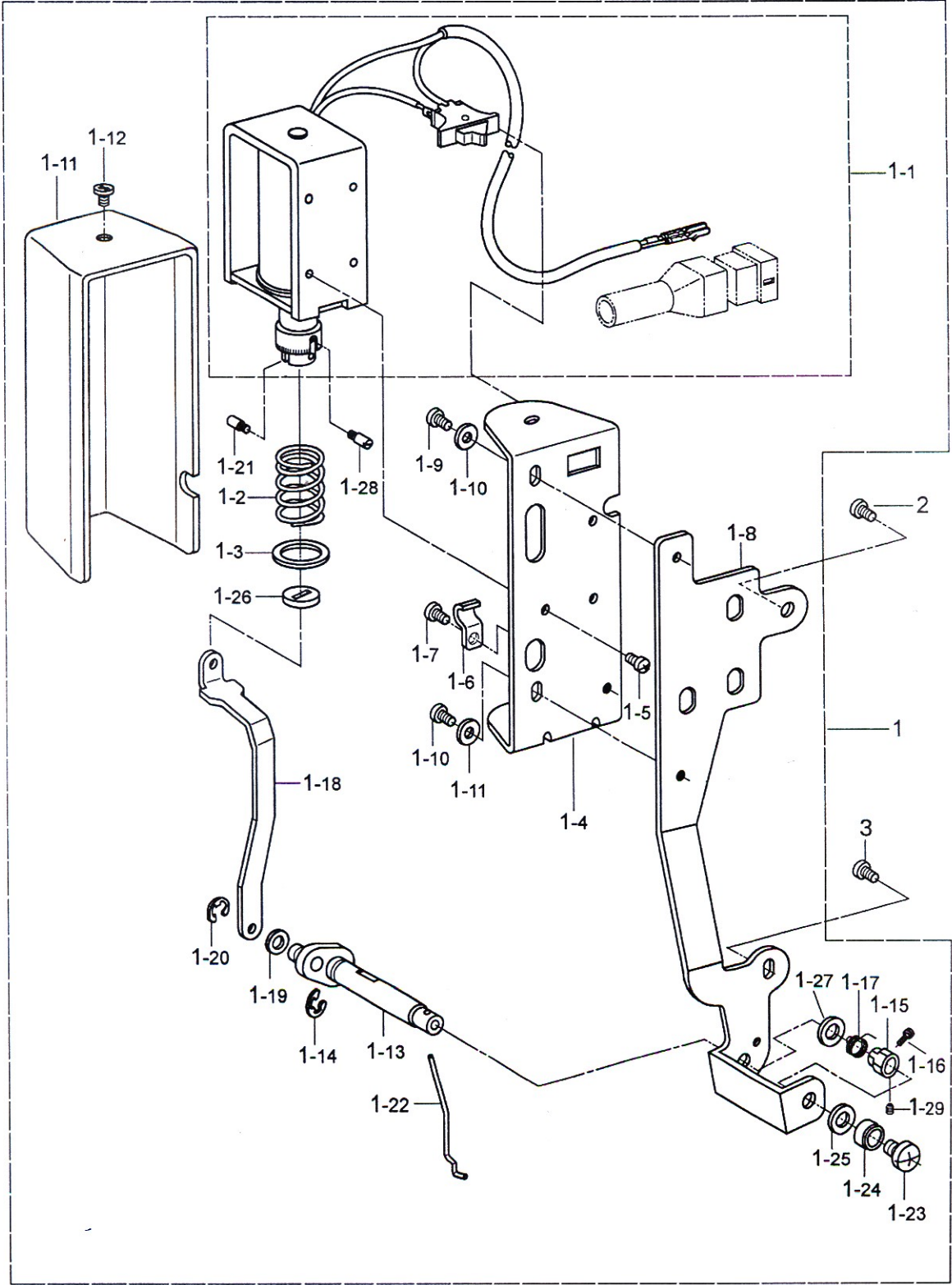
11. THREAD TRIMMER MECHANISM



11. THREAD TRIMMER MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF3558009	Thread trimmer cam	1	
2	165400001	Spacer 5.3	2	
3	B096339088	Set screw SM 6.35	2	
4	B951560009	Fixed knife	1	
5	B908267006	Screw SM 3.57	1	
6	BX08467009	Lower thread finger	1	
7	B084060874	Washer M 4	1	
8	B048600494	Screw M4x6	1	
9		Thread trimmer holder assy	1	
9-1	BXF3827009	Holder M-knife	1	
9-2	BX85684009	Thread trimmer connecting rod	1	
9-3	217100046	Shoulder screw M4	1	
9-4	217100047	Shoulder screw M4	1	
9-5	B089600704	Nut M4	2	
9-6	BXF3826809	Thread trimmer lever	1	
9-7	BXF3825009	Lever stopper	1	
10	B048509694	Screw M5x14	1	
11	BXF3823009	Knife holder presser plate	1	
12	B006709094	Screw M3x10	3	
13	BXF3769909	Thread trimmer stopper base	1	
14	B048600494	Screw M4x6	1	
15	B951569009	Movable-knife	1	
16	036720003	Screw SM4.37	2	
17	B085060878	Washer plain 4	1	
18	B062060968	Retaining ring C4	1	
19	230100011	Thread trimmer lever spring	1	
20	230100012	Pin	1	
21	B098500574	Screw M5x5	1	
22	BX08463089	Forked shaft	1	
23	BX08462089	Collar	1	
24	B956529089	Forked shaft bush	1	
25	B098040574	Screw M6x5	2	
26	BXF9748009	Thread trimmer lever unit	1	
26-1	BXF9747009	Thread trimmer lever assy	1	
26-2	BXF8852009	Roller shaft C assy	1	
26-3	B905876007	Nut SM4.37	1	
27	BX87459009	Screw M6x6	1	
28	B956517889	Thread trimmer cam lever shaft	1	
29	B956516080	Collar	1	
30	BX85676000	Rubber cushion	1	
31	217100034	Spring extension	1	
32	B956514000	Cushion	1	
33	B990743009	Washer plain special E8	1	
34	B062040768	Retaining ring E6	1	
35	BXF9744009	Cam lever shaft bush	1	
36		Thread trimmer solenoid assy	1	
36-1	BXF9718009	Thread trimmer solenoid	1	
36-2	BXF9743009	Thread trimmer solenoid base	1	
36-3	BXF3212809	Solenoid lever	1	
36-4	BXF3211009	Shoulder screw M6	1	
36-5	BXF3100009	Washer	1	
36-6	B089040704	Nut M6	1	
36-7	BXF3822009	Pin	1	
36-8	B048600294	Screw M4x8	4	
37	217N00027	Cam lever spring	1	
38	036710010	Set collar	1	
39	036550008	Screw	2	
40	108500003	12-Core connector	1	
41	001C63000	Ground wire assy	1	
42	B048500294	Screw M5x8	2	
43	VV060402029	Band	2	
44	230100009	Cord holder U3	1	
45	036700017	Connector cap	1	

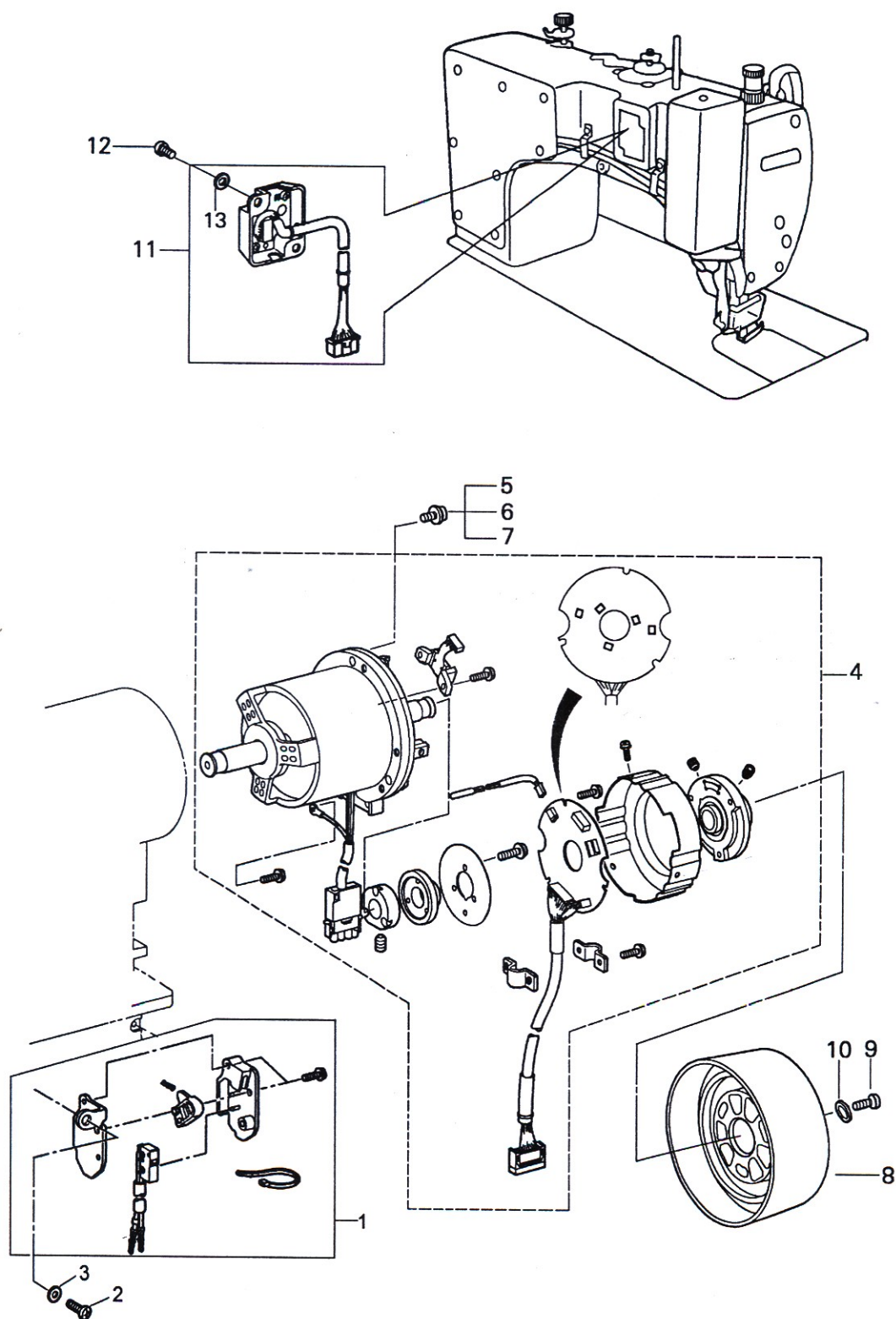
12. THREAD WIPER MECHANISM



12. THREAD WIPER MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9736809	Thread wiper device assy	1	
1-1	BXF9714009	Thread wiper solenoid assy	1	
1-2	BX69804009	Thread wiper spring	1	
1-3	BX69805009	Washer	1	
1-4	217100028	Solenoid setting plate	1	
1-5	S8A3101005	Screw M3x6	3	
1-6	B960463909	Cord holder	1	
1-7	S8A3101005	Screw M3x6	1	
1-8	BXF9734009	Thread wiper base	1	
1-9	B048600494	Screw M4x6	2	
1-10	B084060874	Washer 4	2	
1-11	BX77490989	Solenoid cover	1	
1-12	B040600594	Screw M4x5	1	
1-13	BXF9143009	Thread wiper crank assy	1	
1-14	B062060768	Retaining ring E4	1	
1-15	BX85656089	Set screw collar	1	
1-16	BX85831009	Set screw M3.5-5	1	
1-17	BXF8823009	Spring	1	
1-18	BXF9733009	Thread wiper rod	1	
1-19	B990375088	Washer 8	1	
1-20	B062070768	Retaining ring E3	1	
1-21	BX85654089	Plunger pin	1	
1-22	BXF9732809	Thread wiper	1	
1-23	B040600594	Screw M4x5	1	
1-24	B964822089	Thread wiper stud collar	1	
1-25	BX07433089	Washe	1	
1-26	BX69803000	Spacer rubber	1	
1-27	B961013000	Silent sheet	1	
1-28	BX85654089	Plunger pin	2	
1-29	217100048	Screw M3.5-3	1	
2	B048500294	Screw M5x8	2	
3	B048509894	Screw M5x12	1	

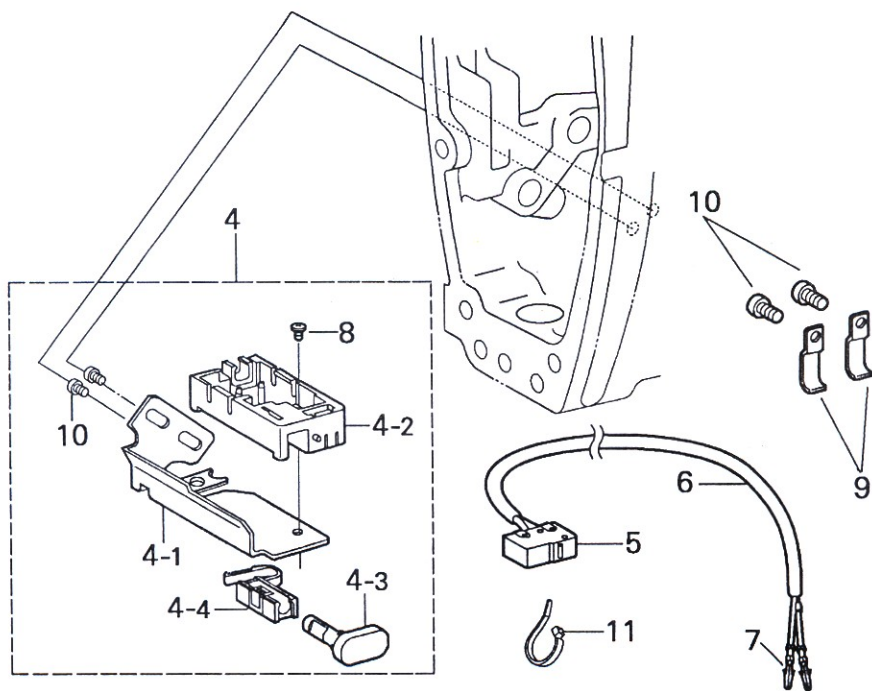
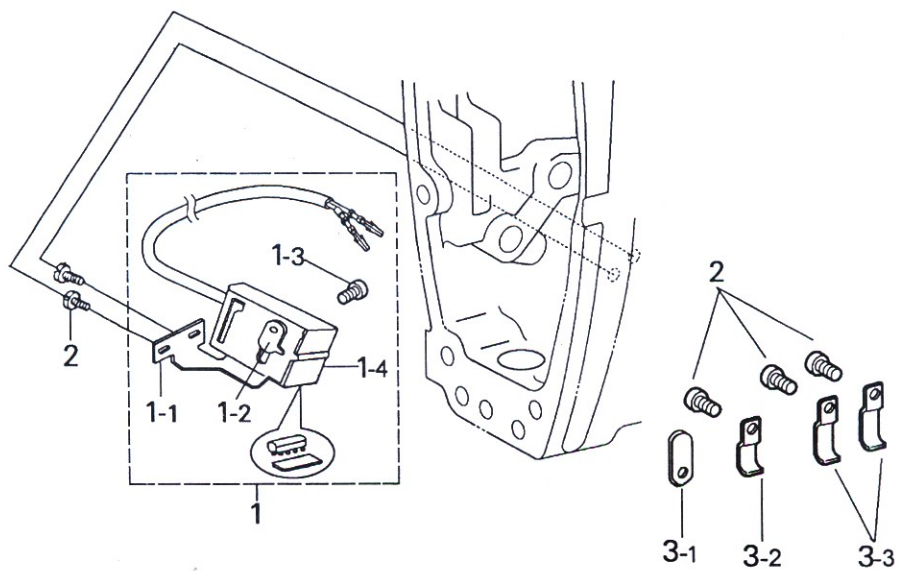
13. CONTROL BOX AND MOTOR MECHANISM



13. CONTROL BOX AND MOTOR MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF3819909	Safety switch assy	1	
2	B048040204	Screw M6x8	1	
3	B085040974	Washer S6	1	
4	198K25200	Motor assy	1	For 8330-D
4	198K12200	Motor assy	1	For HVP-70
5	S150237005	Screw M5x25	3	For 8330-D
5	B048509294	Screw M5x18	3	For HVP-70
6	B082050864	Washer spring 2-5	3	
7	B084050974	Washer S5	3	
8	230100007	Pulley	1	
9	B040609094	Screw M4x10	3	
10	230100013	Pulley washer	3	
11	230210000	Detector unit	1	M
11	230A10000	Detector unit	1	H
12	B048500294	Screw M5x8	1	
13	B084050974	Washer S5	1	

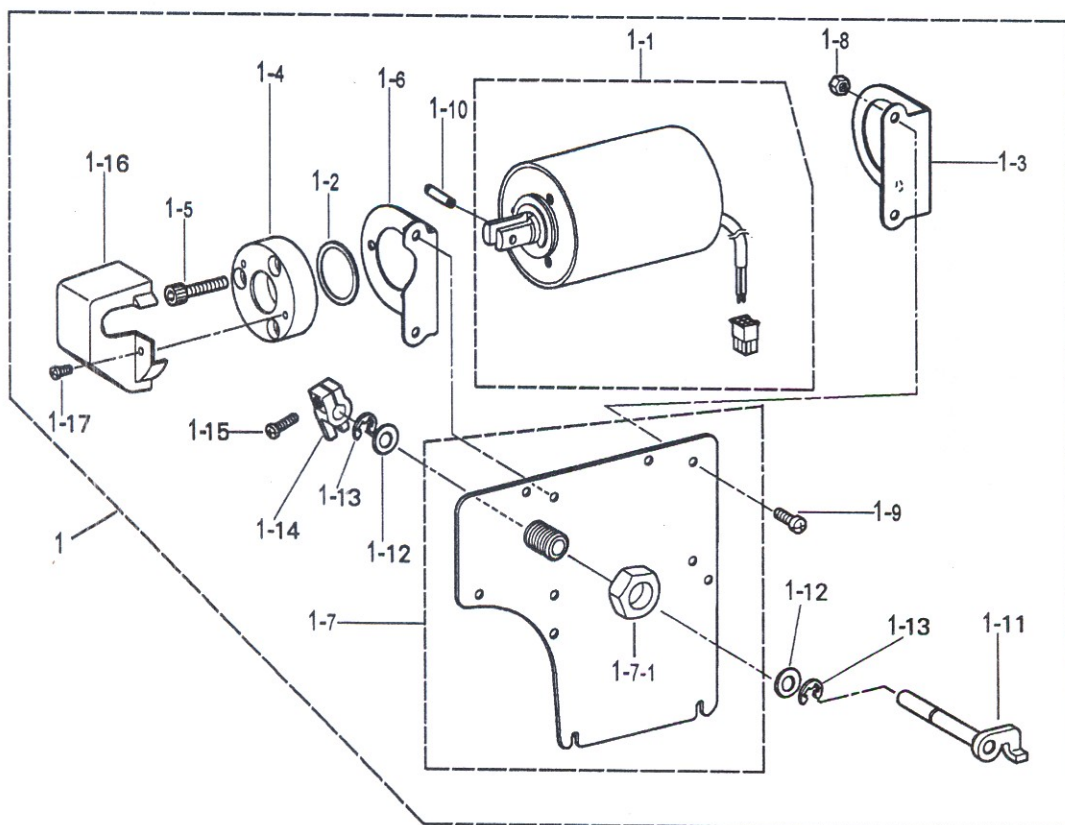
14. QUICK REVERSE SWITCH MECHANISM



14. QUICK REVERSE SWITCH MECHANISM

No.	Ref.No.	Description	Qt	Note
1	230123000	R-actuator assy	1	For 8330-D
1-1	230123001	R-switch support	1	
1-2	230123002	Splint	1	
1-3	B048600494	Screw M4x6	1	
1-4	230123003	R-actuator assy	1	
2	B048500294	Screw M5x8	5	
3-1	230100008	Cord holder	1	
3-2	BXF9722009	Cord holder	1	
3-3	230100009	Cord holder	2	
4	230124000	R-actuator assy	1	
4-1	230124001	R-switch support	1	For HVP-70 or 8320-D
4-2	BX76829000	Reverse switch bracket	1	
4-3	BX78106000	Actuator	1	
4-4	BX78105000	switch restoration spring	1	
5	036830004	R-switch	1	
6	036832001	Down-lead	1	
7	036911002	Terminal pin, male	2	
8	S8A3101005	Screw M3x6	1	
9	BXF9722009	Cord holder	2	
10	B048500294	Screw M5x8	4	
11	W060042029	Band 1M	1	

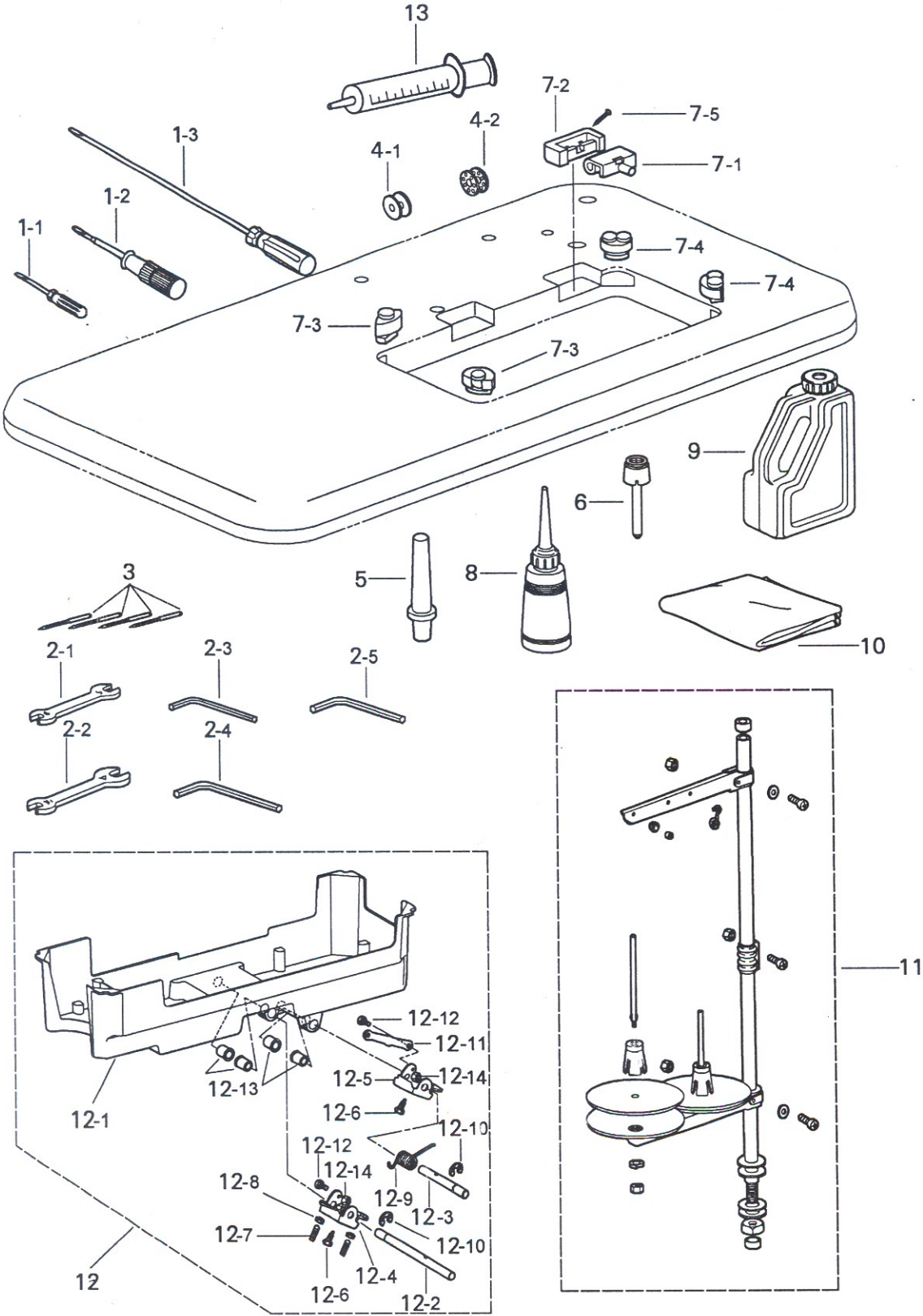
15. PRESSER FOOT LIFTING SET MECHANISM



15. PRESSER FOOT LIFTING SET MECHANISM

No.	Ref.No.	Description	Qt	Note
1	BXF9169009	Solenoid P-foot lifter assy	1	
1-1	BXF9168009	P-foot lifter solenoid assy	1	
1-2	BX94485050	Rubber stopper	1	
1-3	BXF9775009	Solenoid base R	1	
1-4	BX94481959	Solenoid stopper	1	
1-5	B092349272	Bolt SM5.95x18	3	
1-6	BXF9774009	Solenoid base L	1	
1-7	BXF9150009	Rear plate	1	
1-7-1	BXF8814009	Nut M20	1	
1-8	W120501011	Nut M6	4	
1-9	W120105042	Bolt M6x12	4	
1-10	BX94470059	Pin	1	
1-11	BXF9778009	Knee lifter shaft	1	
1-12	BX80754009	Washer 10	2	
1-13	B062020768	Retaining ring E8	2	
1-14	BXF9772009	Presser foot lifter arm	1	
1-15	B048509894	Screw M5X12	1	
1-16	BX94467001	Cover	1	
1-17	B048430498	Screw SM3.57-40x6	2	

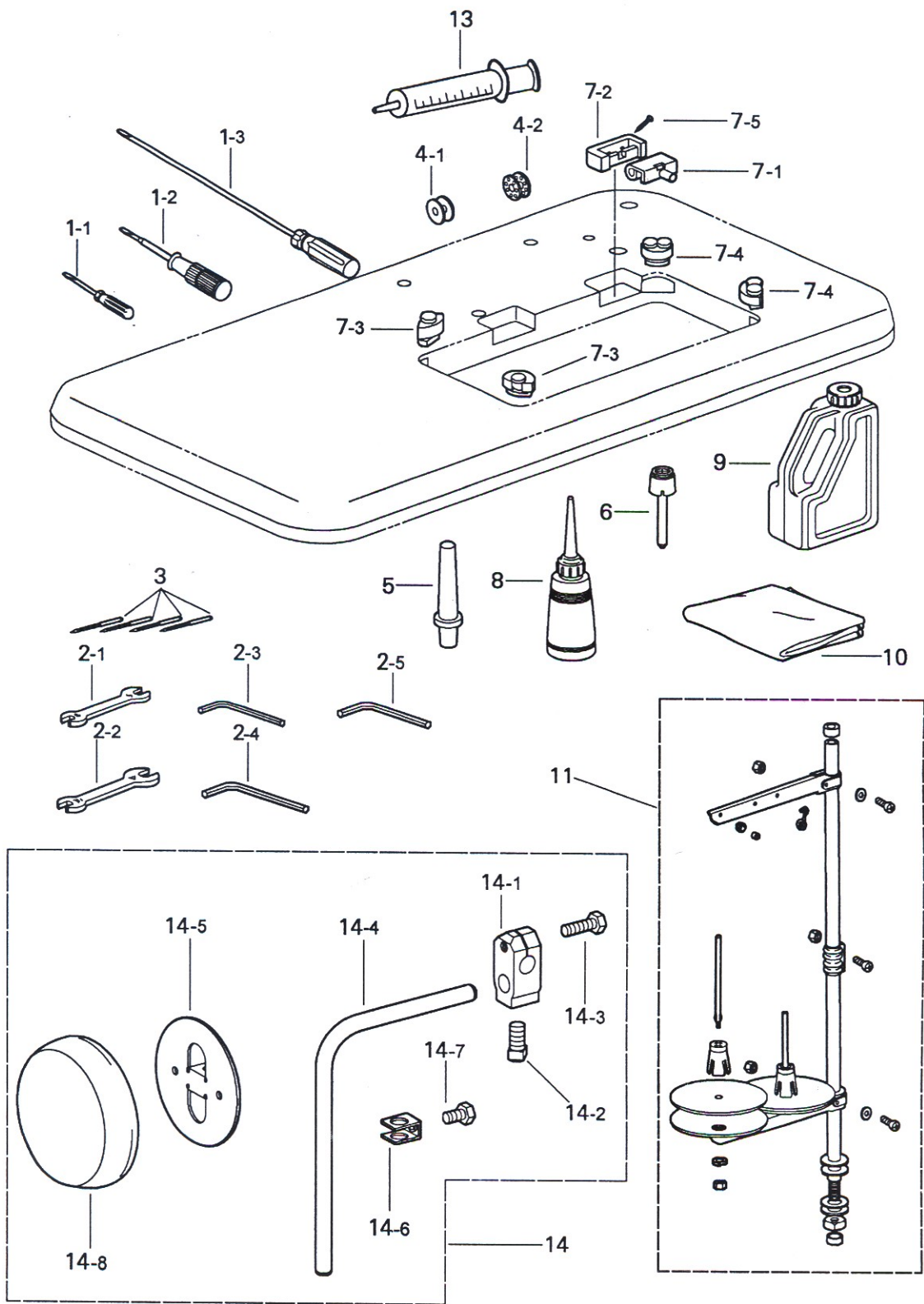
16. ACCESSORIES 1



16. ACCESSORIES 1

No.	Ref.No.	Description	Qt	Note
1-1	W050102051	Screw-driver	1	
1-2	W050102068	Screw-driver	1	
1-3	W050102050	Screw-driver	1	
2-1	B900223009	Wrench 8x9	1	
2-2	W050102052	Wrench 10x12	1	
2-3	W050102034	Hexagonal wrench 2	1	
2-4	W050102035	Hexagonal wrench 3	1	
2-5	W050102040	Hexagonal wrench 2.5	1	
3	S150901011	Needle	4	M
3	S150901012	Needle	4	H
4-1	036400006	Bobbin	3	M
4-2	048400003	Bobbin	3	H
5	022900040	Head rest	1	
6	BX01476080	Knee lifter complying bar	1	
7-1	B967228009	Head hinge	2	
7-2	B967190001	Rubber cushion	2	
7-3	BXF9148009	Head cushion< for right side>	2	
7-4	BXF9147009	Head cushion< for left side>	2	
7-5	B901396000	Nail	4	
8	B996627008	Oiler assy	1	
9	BX55447009	Oil tank assy	1	
10	W060302076	Head cover	1	
11	006F00030	Cotton stand assy 2DR	1	
12	BXF9789909	Oil pan assy	1	
12-1	BXF9788809	Oil pan	1	
12-2	BXF9787009	Knee lifter shaft L	1	
12-3	BXF9786009	Knee lifter shaft R	1	
12-4	BXF9785009	Knee lifter limit support	1	
12-5	BXF9784009	Knee lifter R	1	
12-6	BX85766009	Bolt M6	2	
12-7	BX85635009	Set screw M6x19	2	
12-8	B089040704	Nut M6	2	
12-9	B7F7502009	Twist spring	1	
12-10	B964817009	Retaining ring E10	1	
12-11	BXF9783009	Knee lifter connecting rod	1	
12-12	217100037	Shoulder screw M5	2	
12-13	B961532080	Bush	4	
12-14	S120501005	Nut M5	2	
13	217F01008	Grease tube	1	

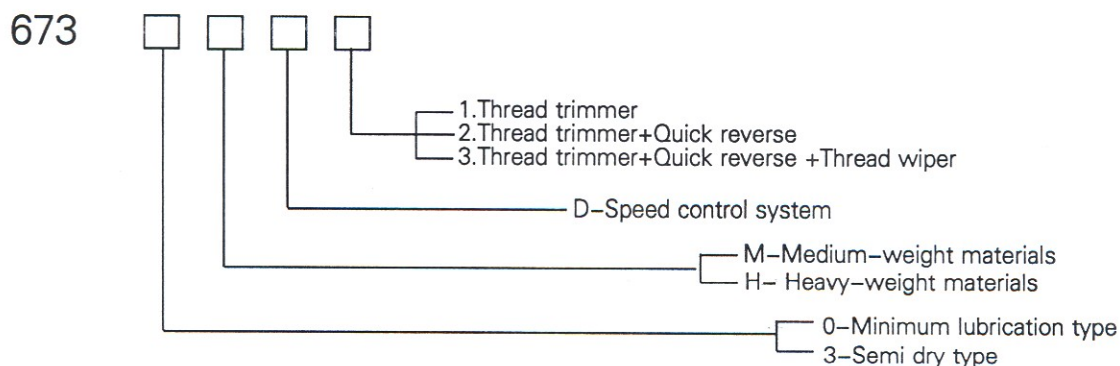
17. ACCESSORIES 2 (KNEE LIFTER MECHANISM)



17. ACCESSORIES 2 (KNEE LIFTER MECHANISM)

No.	Ref.No.	Description	Qt	Note
14	BX75289089	Knee lifter assy	1	
14-1	B964071089	Knee lifter bracket	1	
14-2	B900647009	Bolt square SM7.94	1	
14-3	BX75280089	Bolt SM5.95x20	1	
14-4	B906491008	Knee lifter bar	1	
14-5	022920009	Knee lifter plate	1	
14-6	B996143009	Knee lifter plate stopper	1	
14-7	B990023009	Bolt SM5.95-28x8	1	
14-8	W210105006	Knee lifter plate cover	1	

Machine specifications



Machine's main technical data

		GC6730MD3/GC6733MD3	GC6760HD3
Max.sewing speed		5000rpm	4500rpm
Start backtacking and continuous backtacking speed		220-3000rpm	
End backtacking speed		1800rpm	
Max. stitch length		5mm	
Presser foot height	Lifting lever	6mm	
	knee lifter	13mm	
Feed dog height		0.8mm	1.2mm
Needle		DBx1 #11-#16	DPx5 #18-#22

When sewing at speeds of 4000 rpm or higher, set the stitch length to 4.2 mm or less.

- Besides adjusting stitch, please laypeople don't debug or maintain.
- Parts are subject to changes in design without prior notice.

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