



TYPICAL

GN9100 SERIES

HIGH SPEED OVERLOCK SEWING MACHINE
INSTRUCTION BOOK
PARTS CATALOGUE

INTRODUCTION

Thank you very much for purchasing sewing machine.

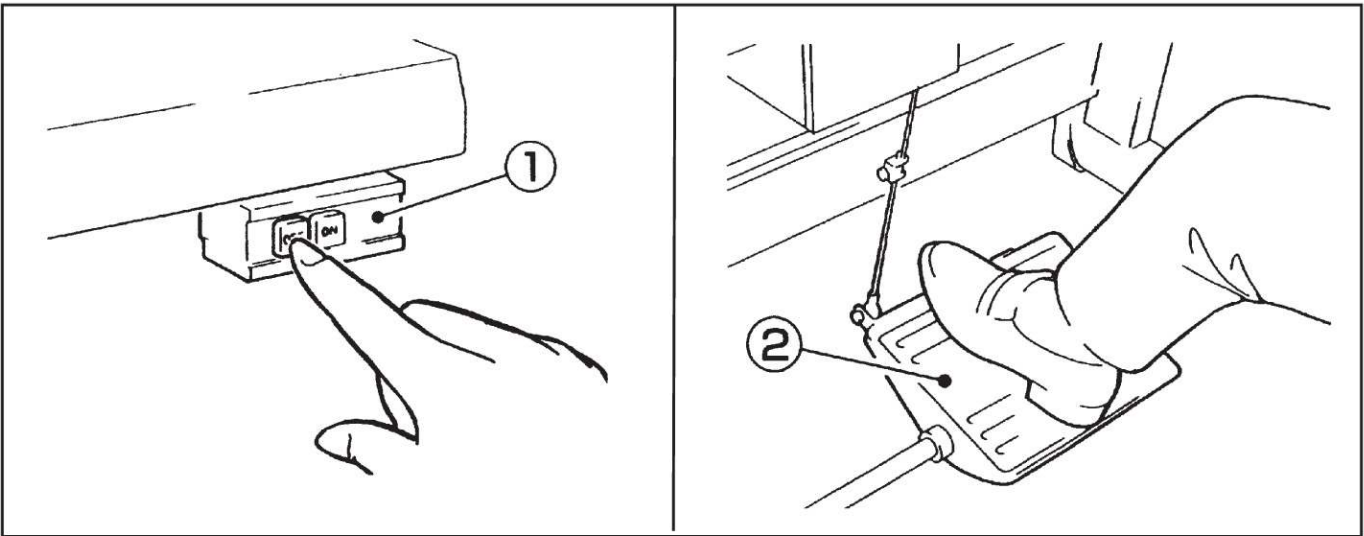
This instruction manual describes daily routine maintenance and safety precautions to keep the machine in the best possible conditions.

Please study this manual very carefully before operating the machine.

OBSERVE THESE SAFETY PRECAUTIONS

Though GN9 series takes the utmost care to produce safe sewing machines and devices, operators should follow these basic safety rules.

- To prevent accidents, do not remove safety devices or parts while operating the machine.
- Do not leave tools or other unnecessary objects on the machine table while operating the machine.
- Before maintenance, adjusting, cleaning, threading or replacing the needle, and to prevent accidents, be sure the power is turned off. Check that the machine will not operate when the pedal is pressed.



- Turn the power off before leaving the machine table.
- In the event of a power failure, be sure to turn the machine off.
- Check that the machine is securely grounded.
- ▲ In case a clutch type motor is used, it will keep on rotating by inertia after turning off power supply ①. If the machine pedal ② is stepped on inadvertently, it is dangerous because the machine will move unexpectedly.
- ▲ Keep on stepping on the machine pedal ② until the machine comes to a stop after turning off the power supply ①.

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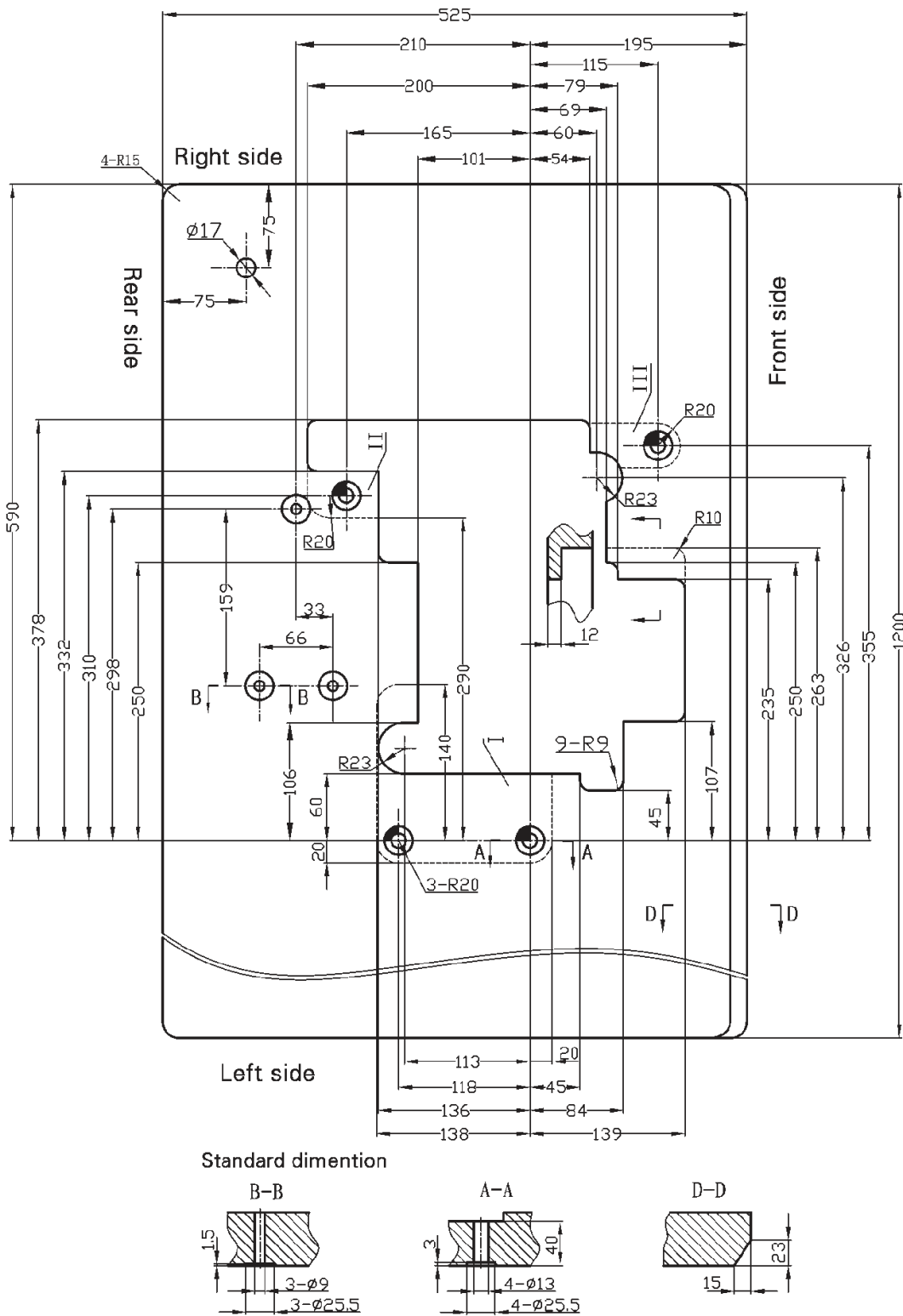
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BEFORE OPERATING

Schematic diagram of the machine table

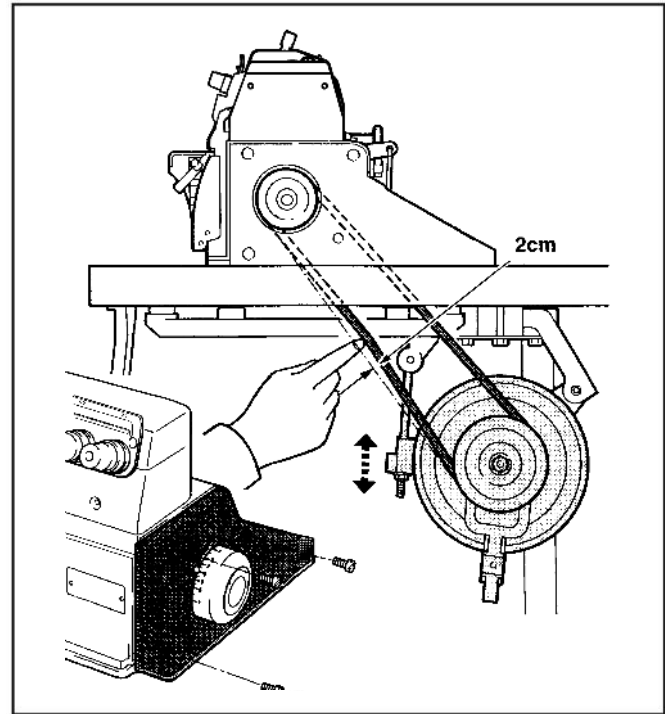
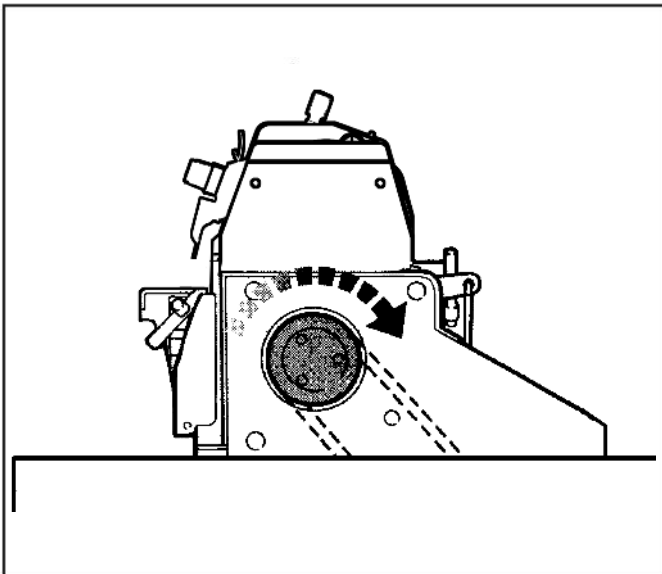
- Cut the table referring to the diagram .



▲ When the thickness of table is more than 40mm, please make process of I II III broken line parts.

BEFORE OPERATING**Instaling the machine head**

1. Mount the machine head on the mahcine rest board.
2. Adjust the tension of the belt so that it can be about 2cm bent inward when you press the middle of it.
Adjust the height of the motor to do this.
3. Install the belt cover referring to the Figure.

**BEFORE OPERATING****The machine speed and turning direction**

The machine rotates clockwise when seen from the machine pully side.

Modle	Sewing speed(max) (r.p.m)
-3	7500
-4H	7000
-5	7000

- ▲ Make sure your machine type and run it not exceeding the maximum speed as listed in the table.

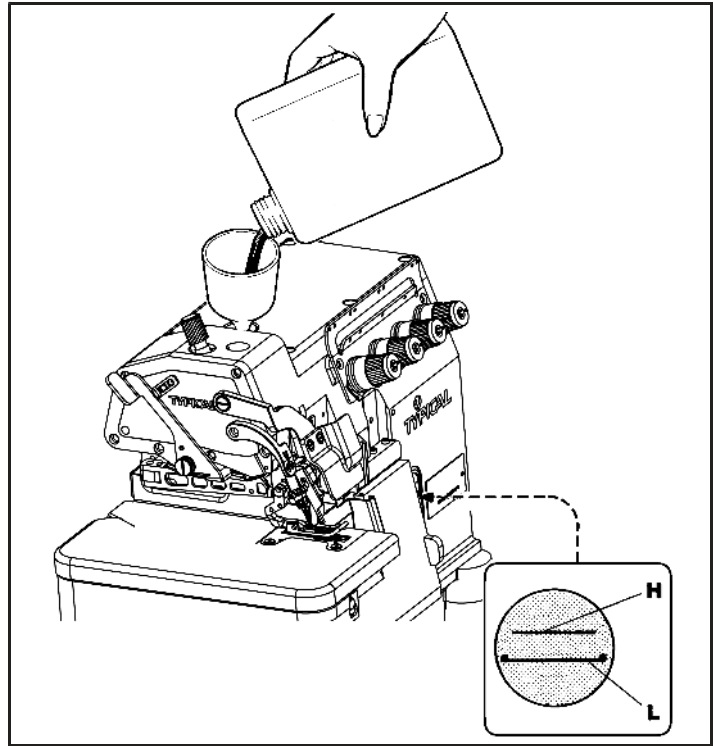
BEFORE OPERATING

Lubrication

After filling the oil pan, the top of oil indicator should lie between (H) and (L) lines.

Add oil, when it reaches or goes below (L).

Note: Use our company recommended oil

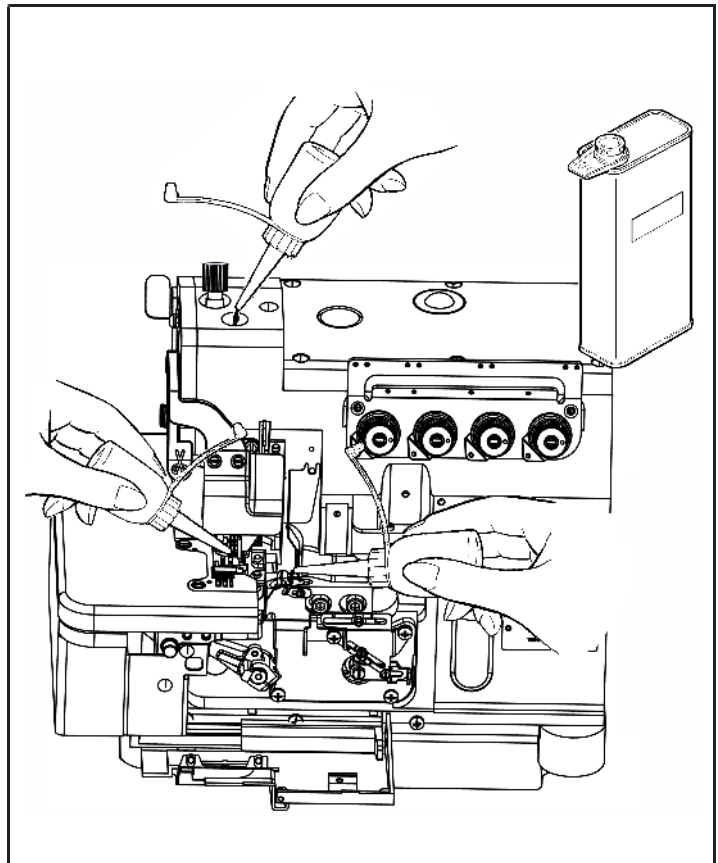


BEFORE OPERATING

Manual lubrication

Apply 2 or 3 drops of oil by hand when the machine is used for the first time or has been left unused for some time.

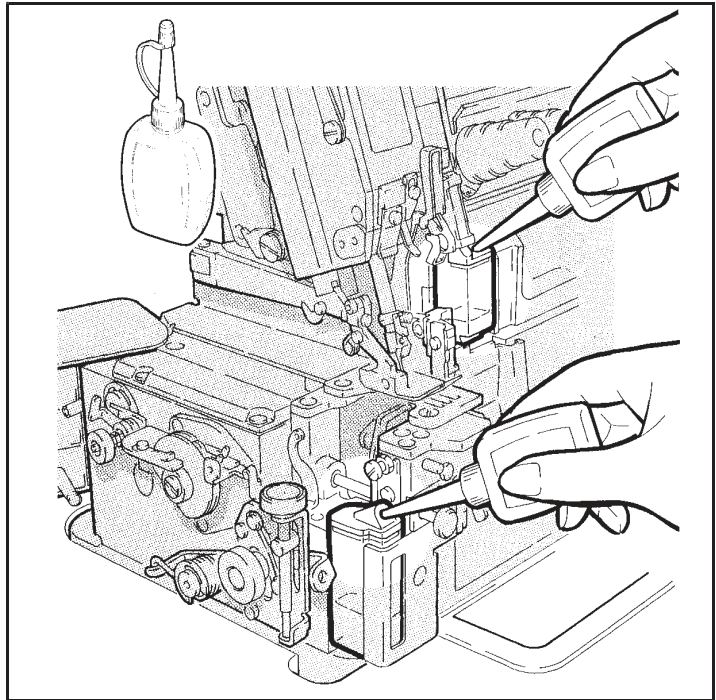
Note: Use our company recommended oil



BEFORE OPERATING

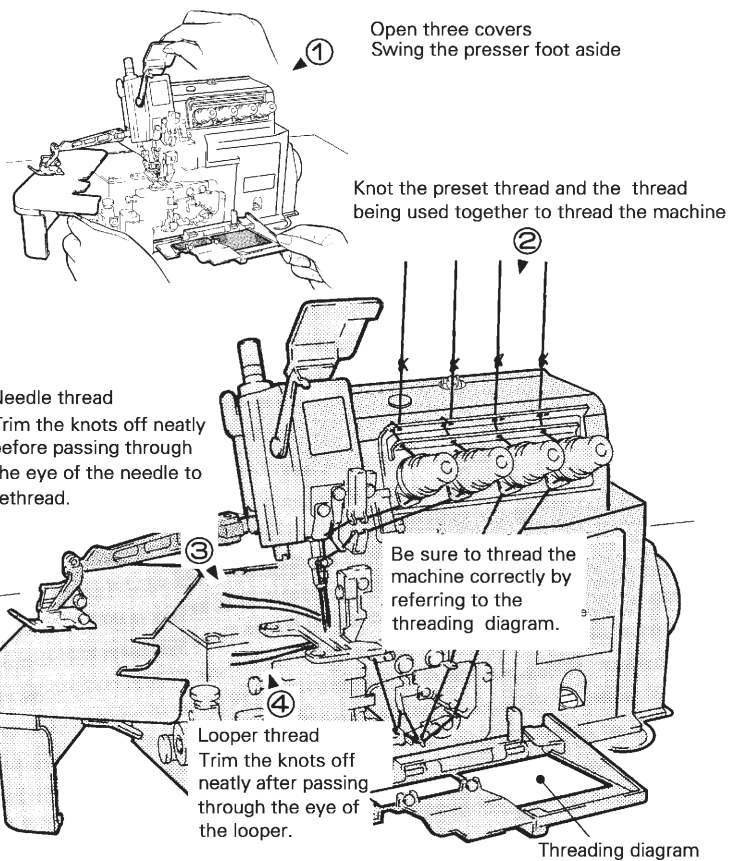
Filling the HR device with silicon oil

Fill the HR device with oil before it is too low in order to prevent needle thread breakage and fabric damage.



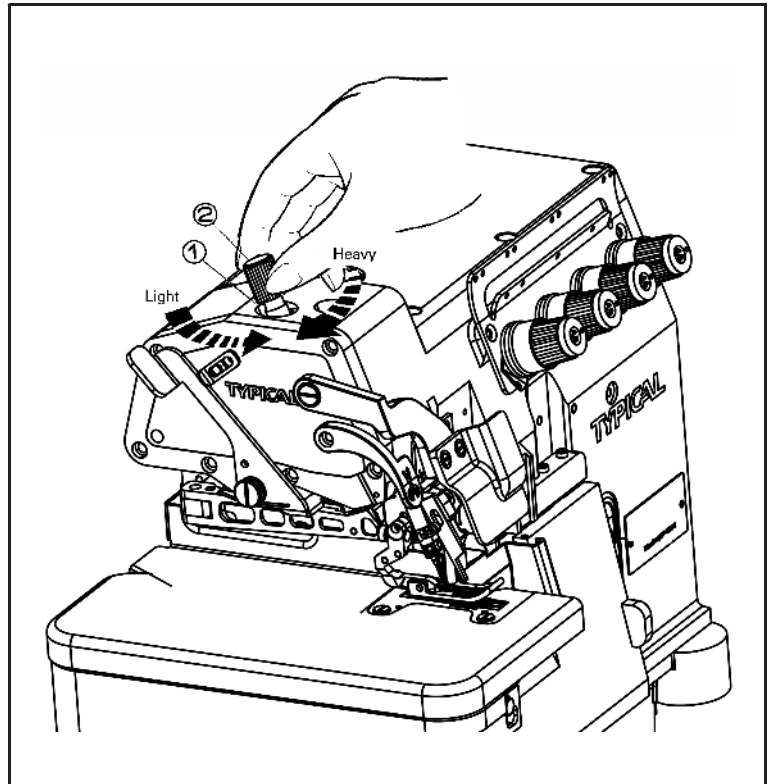
BEFORE OPERATING

Threading

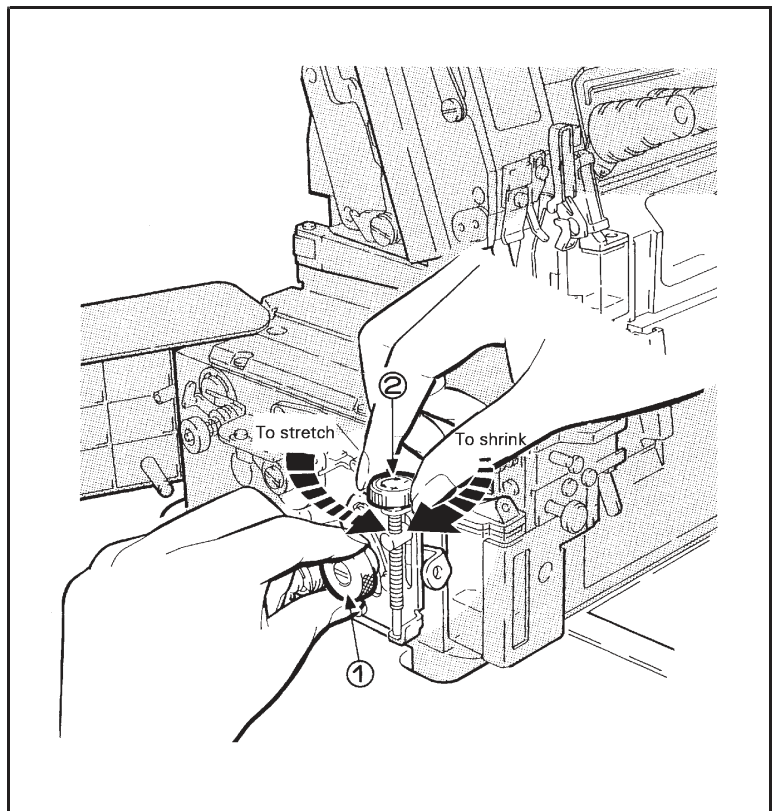


TEST SEWING**Adjusting the presser foot pressure**

Turn adjusting screw to adjust the presser foot pressure. It should be as light as possible, yet be sufficient to obtain the proper stitch formation.

**TEST SEWING****Adjusting the diff.feed ratio**

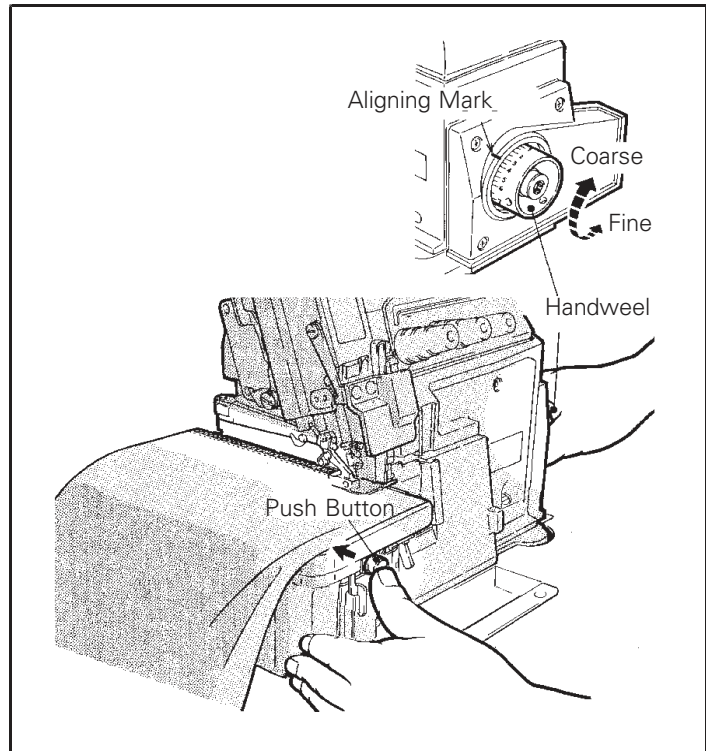
Loosen the nut and move the lever up and down to obtain the correct differential feed ratio. Tighten the nut after positioning the lever as desired.



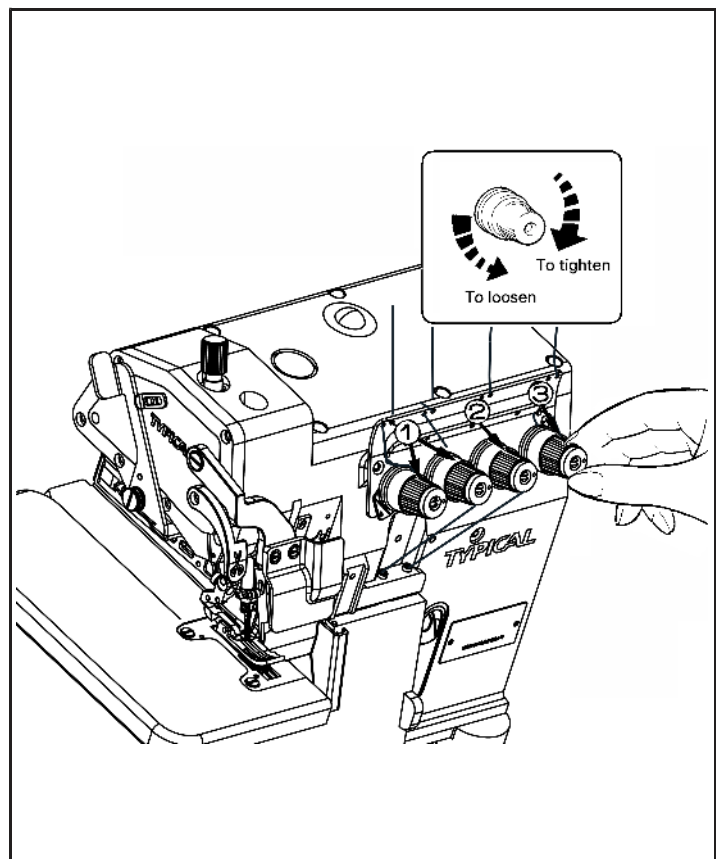
TEST SEWING**Adjusting the stitch length**

1. While pressing the push button, turn the handwheel to seek the position at which the push button goes further into the depth.
2. Then, keeping the push button pressed, turn the handwheel and set the desired scale to the aligning mark.

⚠ Note: Stitch length adjustment must only be made after the differential feed ratio has been changed.

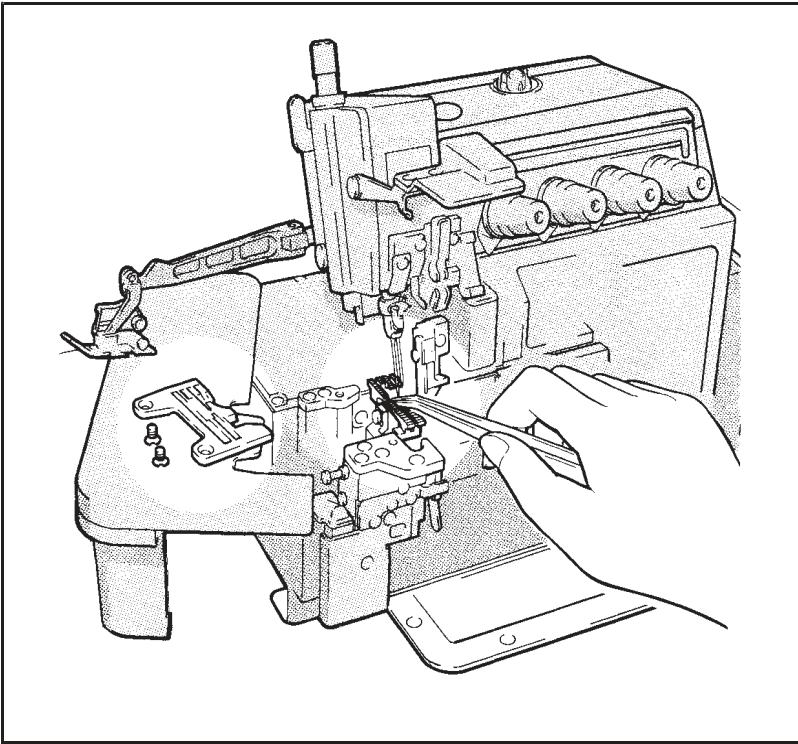
**TEST SEWING****Adjusting the thread tension**

Make tension adjustments with the needle thread knot①, the upper looper knob②, and the lower looper knob③.



MAINTENANCE
DURING USE

Cleaning the machine



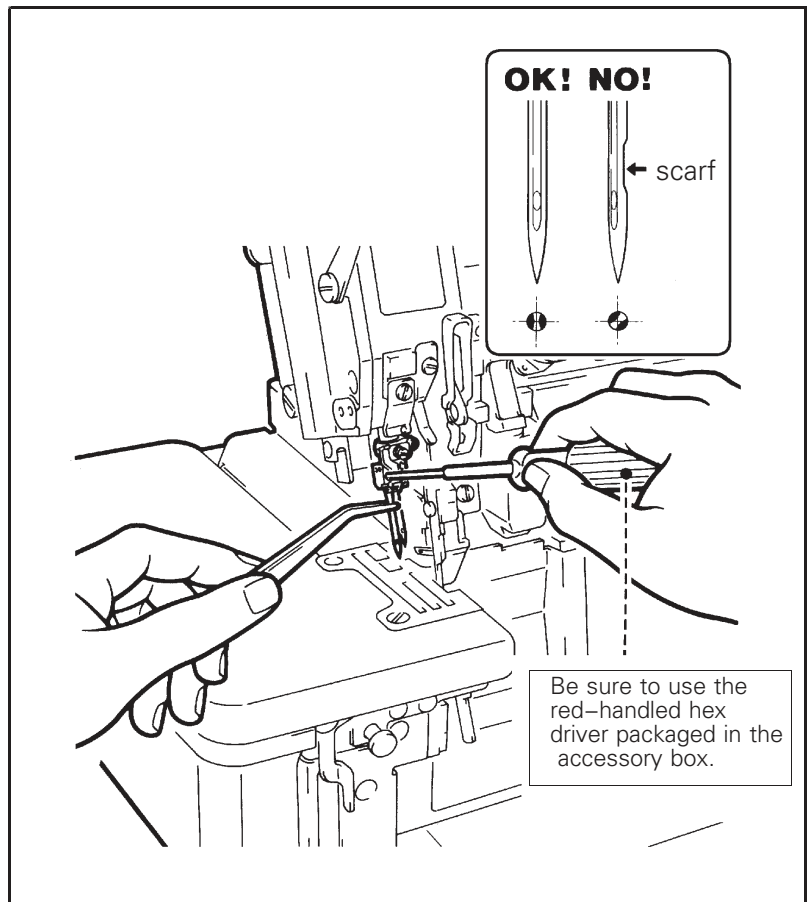
Mainly the slots of the needle plate and the feed rows should be cleaned.

MAINTENANCE
DURING USE

Replacing the needle

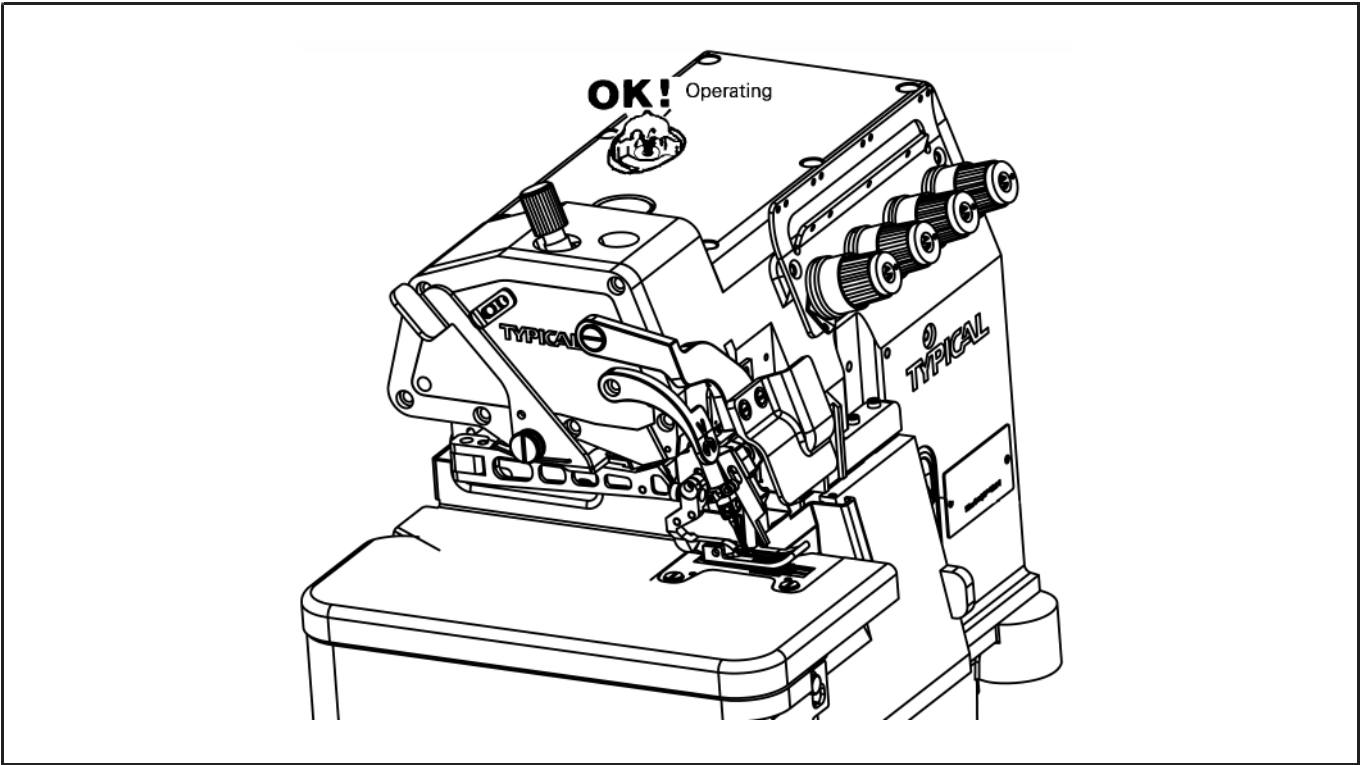
Check the needle carefully to see that the scarf is turned to the rear of the machine. Insert the needle to the proper depth, and fasten securely.

Be sure to use standard needle. Refer to ADJUSTMENT DIMENSIONS on the end of instructions.



MAINTENANCE
DURING USE

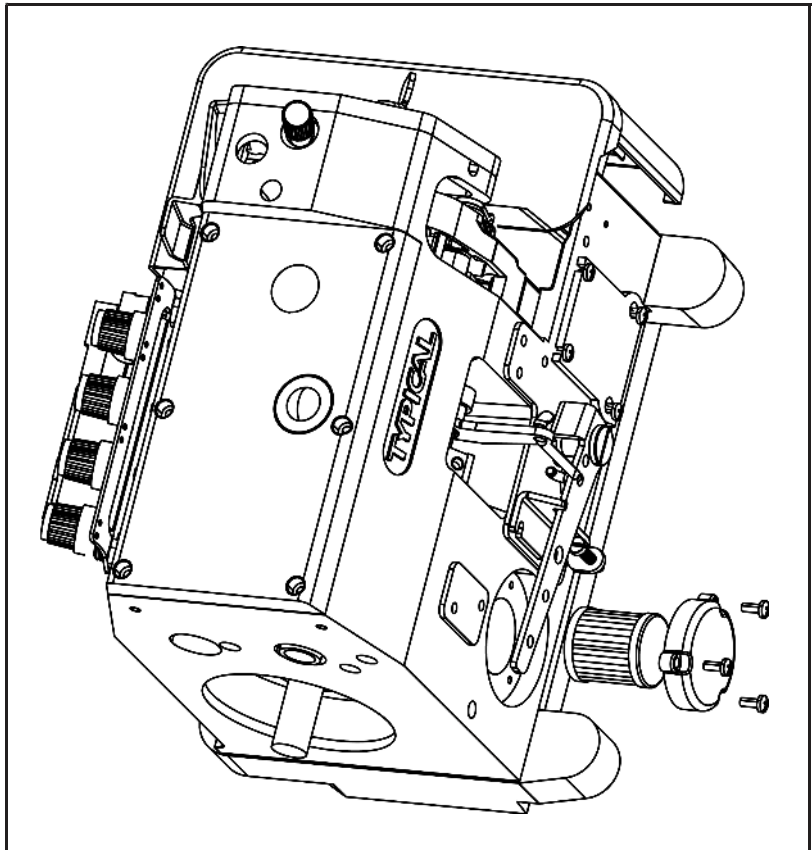
Checking the oil circulation



MAINTENANCE
DURING USE

The check of the filter fixs and replace

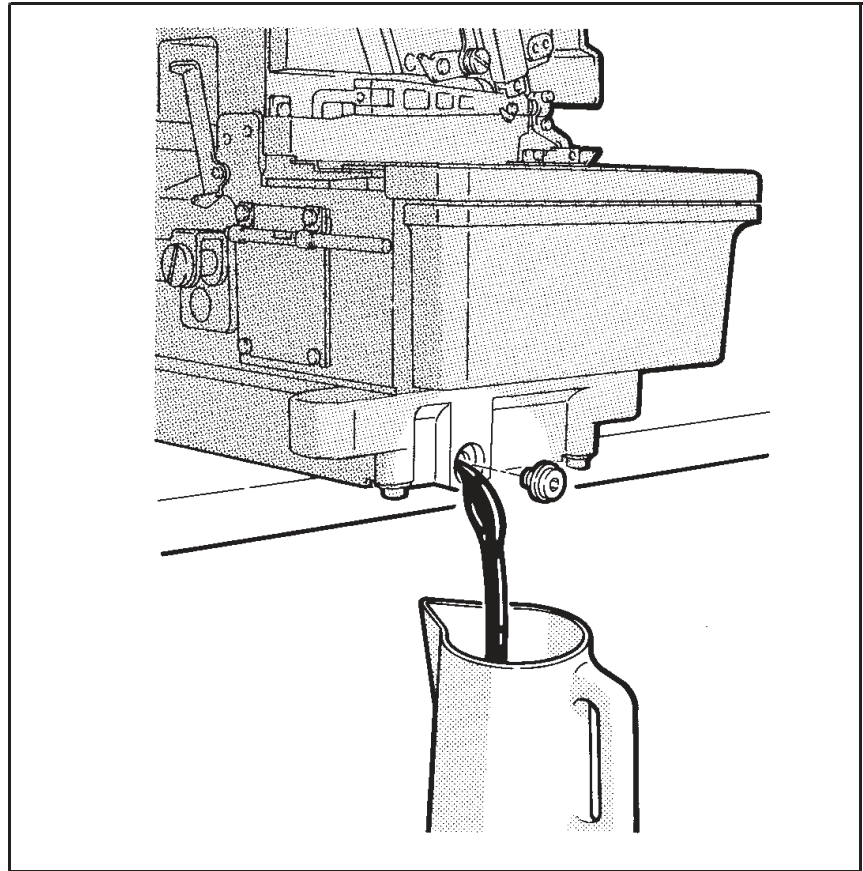
Please clean up the trash or change a new one each 6 months.



MAINTENANCE
DURING USE

Replacing the oil

Replace the oil one month after the first use and every six months thereafter.



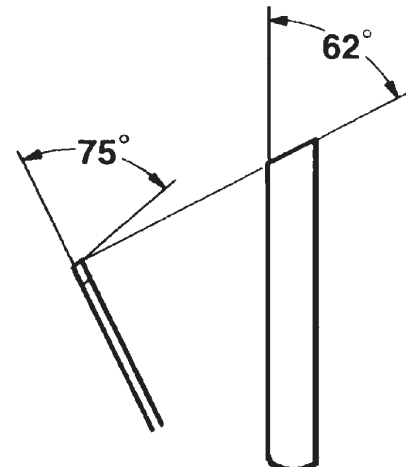
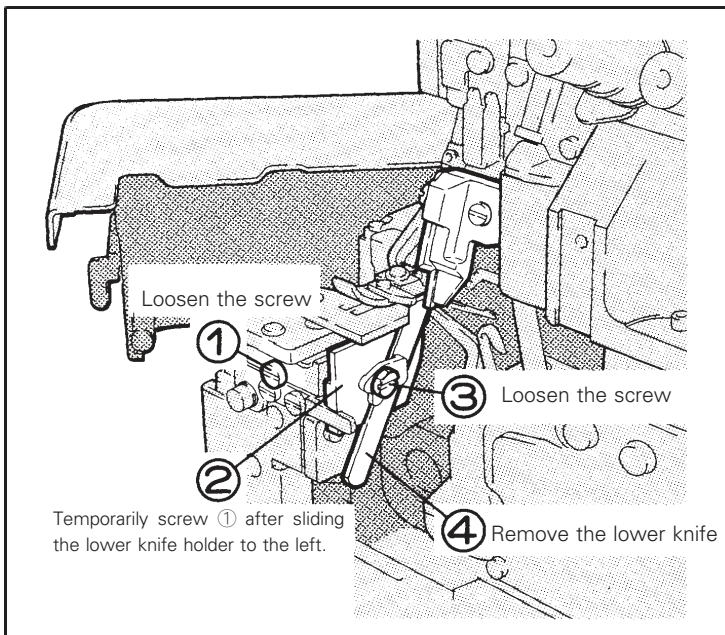
MAINTENANCE
DURING USE

Replacing the lower knife

To remove the lower knife

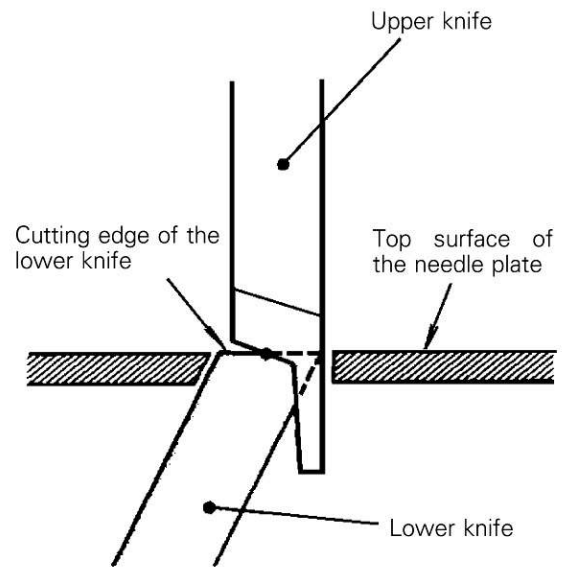
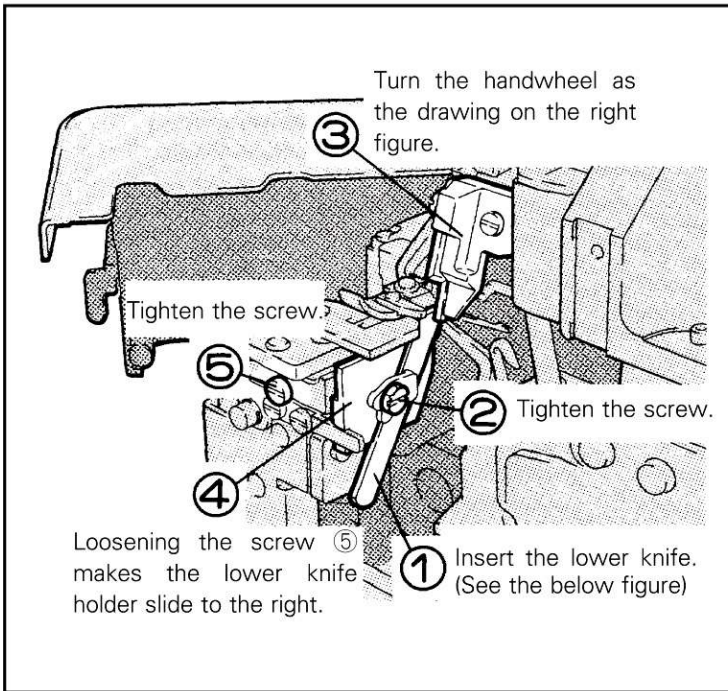
Temporarily screw ① after sliding the lower knife holder to the left.

Correct angles to sharpen the lower knife.



Replacing the lower knife

To replace the lower knife



Level of A=Level of B
Check cutting action of knives.

Adjustment dimension GN9

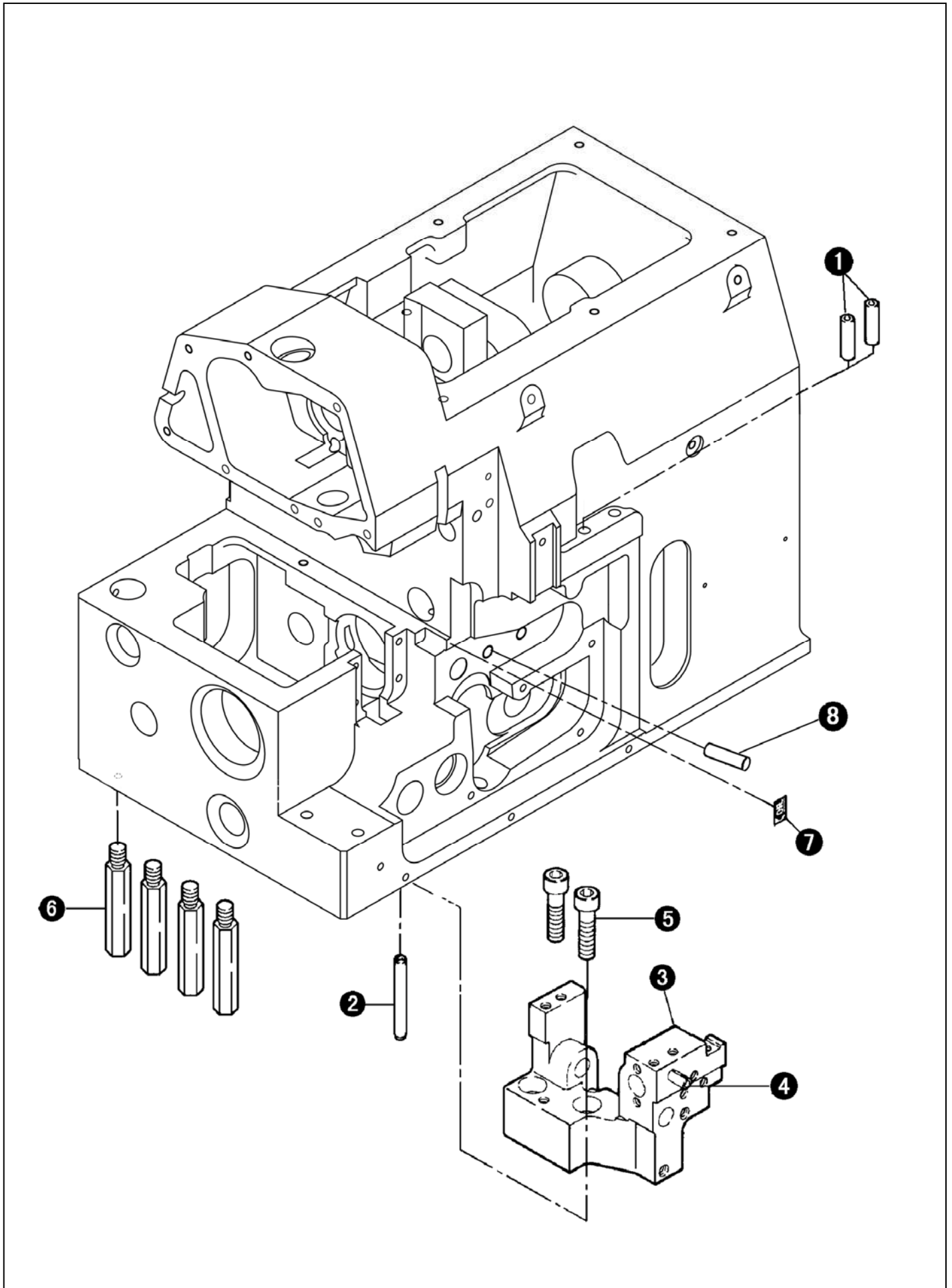
(mm)

-3	9.9~10.1	3.8~4.0	4.5~5.0	0.8~1.0	5.0	
-4H	10.8~11.0	3.6~3.8	5.3~5.8	0.8~1.0	5.0	
-5	9.9~10.1	3.8~4.0	4.5~5.0	0.8~1.0	5.0	2.02

GN9 Standard needle

	DCX27
-3	11#
-4H	11#
-5	11#

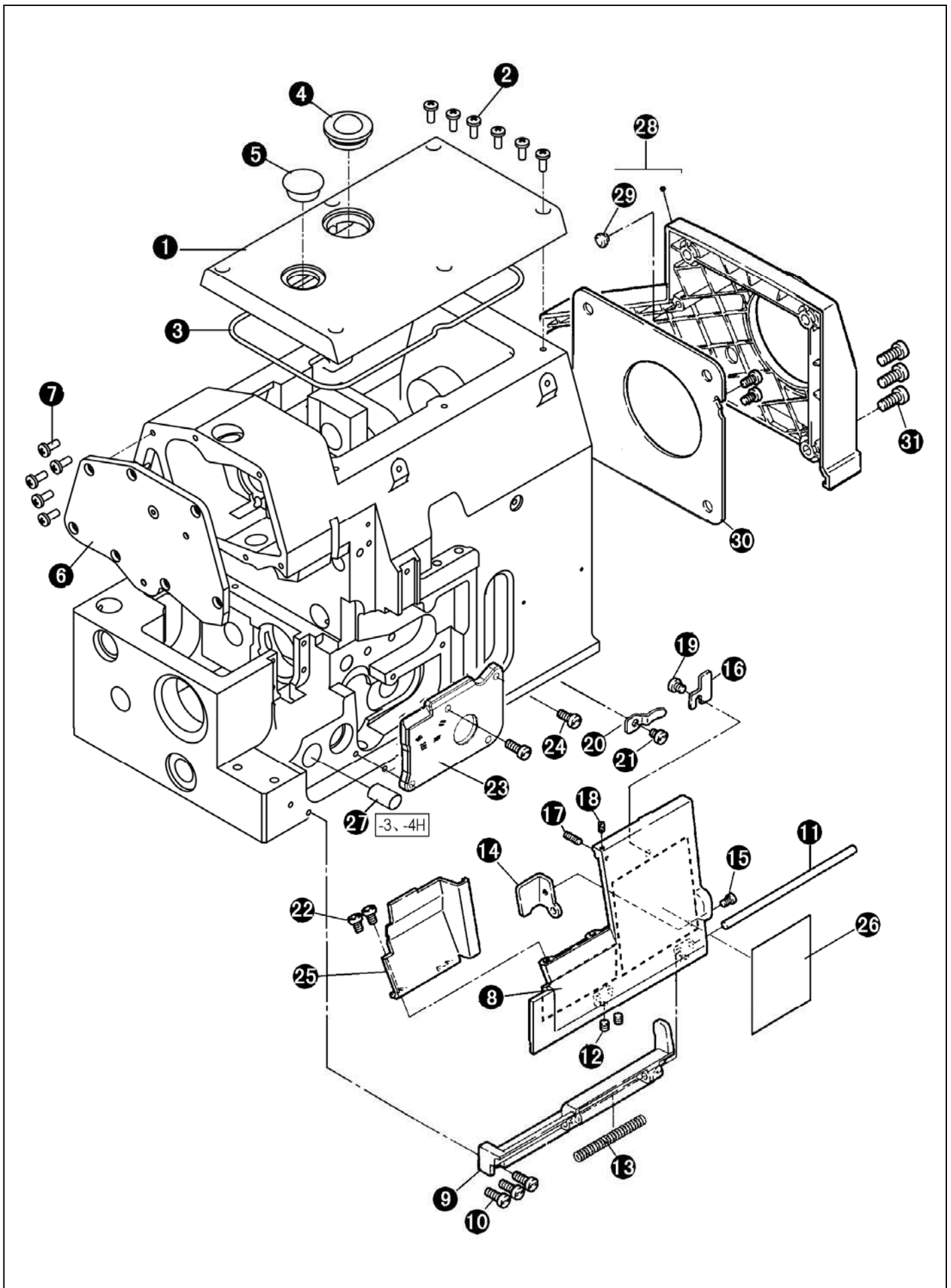
1. MACHINE ARM PART (1)



1. MACHINE ARM PART (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209110004	Thread guide pipe	2	2	2
2	209110003	Pin	1	1	1
3	209120001	Needle plate support bracket	1	1	1
4	S150446025	Pin	1	1	1
5	S150209059	Screw M6×25	2	2	2
6	155100005	Screw	4	4	4
7	155100041	Oil mark	1	1	1
8	S150446026	Pin	1	1	1

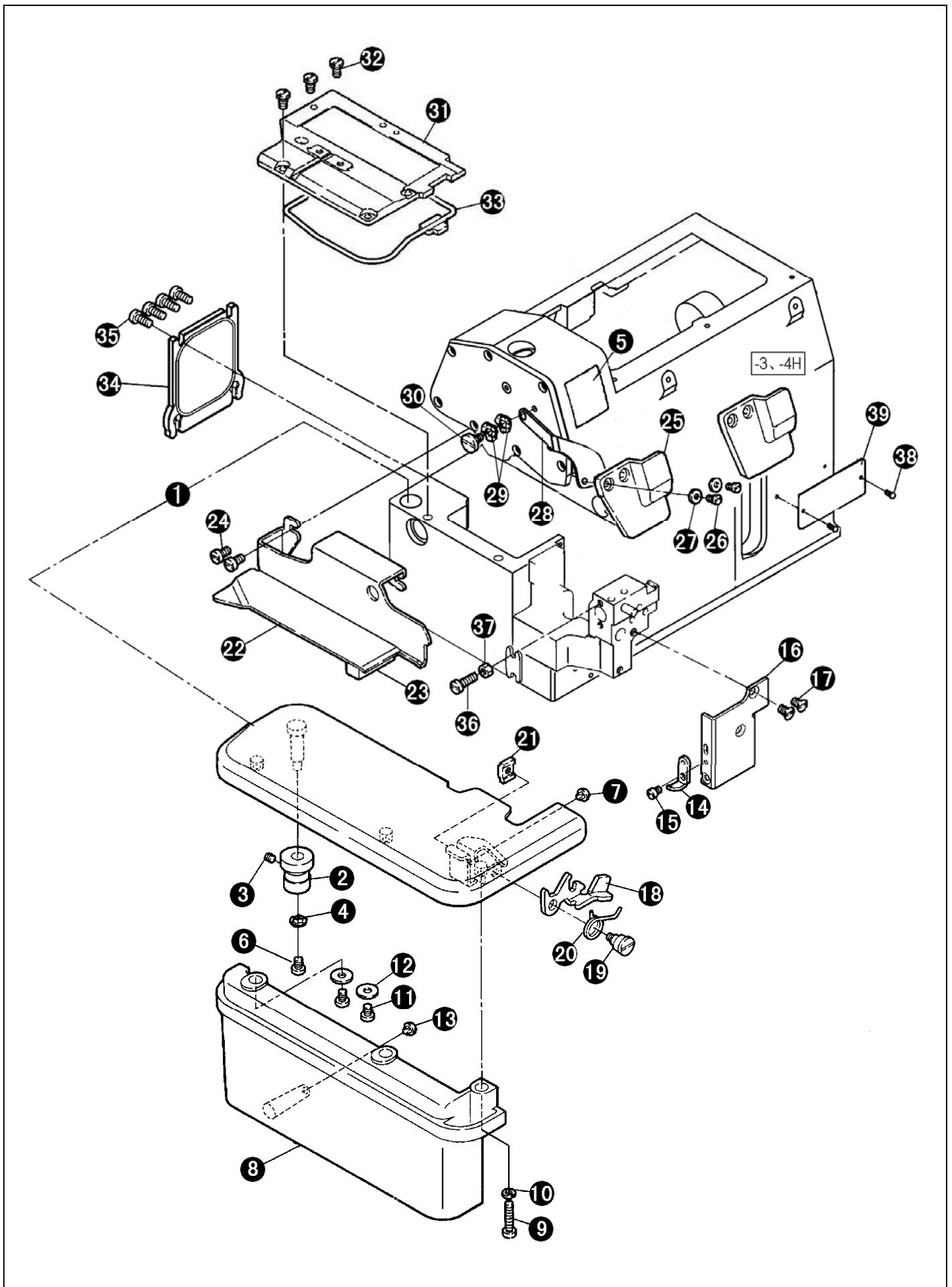
1. MACHINE ARM PART (2)



1. MACHINE ARM PART (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	285000002	Top cover	1	1	1
2	S150216013	Screw M4× 12 GB818- 2000	6	6	6
3	285000003	Gasket	1	1	1
4	028180001	Oil windowassy	1	1	1
5	209100004	Plug	1	1	1
6	285000022	Cover	1	1	1
7	S150216040	Screw M4× 10 GB818- 2000	7	7	7
8	209140005	Front cover	1	1	1
9	209140001	Front cover hinge	1	1	1
10	S150216013	Screw M4× 12 GB818- 2000	3	3	3
11	155120002	Front cover hinge shaft	1	1	1
12	S150299027	Screw M4× 4 GB77- 2000	2	2	2
13	155120003	Spring	1	1	1
14	155120007	Latch	1	1	1
15	S150201002	Screw M3× 4 GB65- 76	1	1	1
16	209140003	Latch	1	1	1
17	S150299014	Screw M3× 12 GB77- 2000	1	1	1
18	S150299015	Screw M3× 4 GB77- 2000	1	1	1
19	S150216017	Screw M4× 5 GB818- 2000	1	1	1
20	155100013	Plate spring	1	1	1
21	S150216031	Screw M4× 6 GB818- 2000	1	1	1
22	S150216031	Screw M4× 6 GB818- 2000	2	2	2
23	209100008	Cover	1	1	1
24	S150216013	Screw M4× 12 GB818- 2000	4	4	4
25	209140004	Front cover			1
	210140001	Front cover	1	1	
26	209100022	Threading diagram			1
	209100023	Threading diagram			1
	210100004	Threading diagram		1	
	211100002	Threading diagram	1		
27	028160001	Rubber plug	1	1	
28	209130000	Belt cover assy	1	1	1
29	155100027	Cushion rubber	1	1	1
30	209100007	Cooling fan guard	1	1	1
31	S150216049	Screw M6× 16	3	3	3

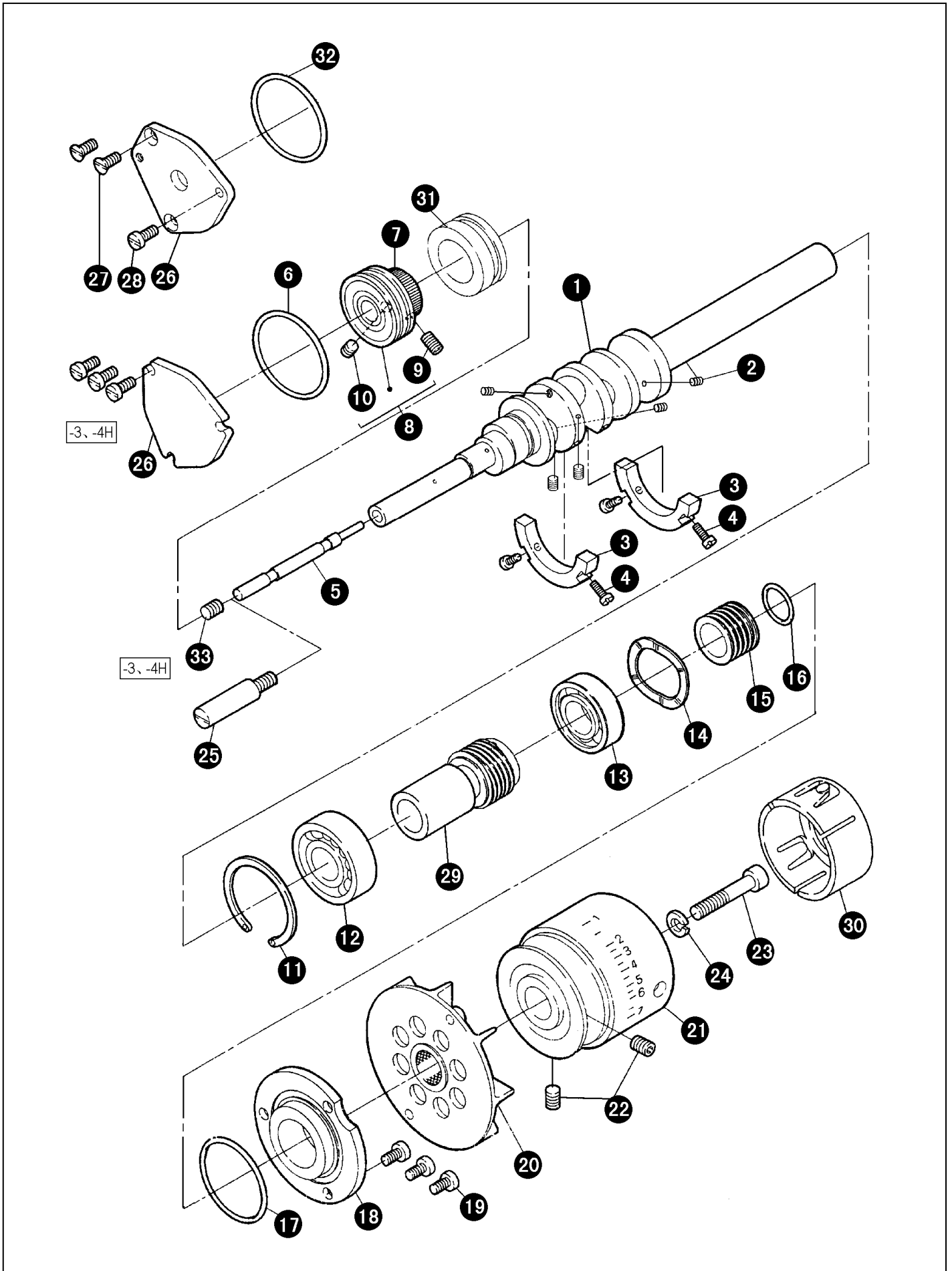
1. MACHINE ARM PART (3)



1. MACHINE ARM PART (3)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209151000	Cloth plate	1	1	1
2	155130001	Cloth plate shaft bush	1	1	1
3	S150299027	Screw M4× 4 GB77- 2000	1	1	1
4	155100025	Wave spring	2	2	2
5	155C10009	Trade mark plate	1	1	1
6	155100024	Screw	1	1	1
7	155100027	Cushion rubber	2	2	2
8	209150001	Side cover	1	1	1
9	S150299033	Screw M4× 16 GB818- 2000	1	1	1
10	S150602005	Spring washer 4 GB859- 2000	1	1	1
11	S150201012	Screw M4× 8 GB65- 76	2	2	2
12	155130008	Washer	2	2	2
13	155100027	Cushion rubber	1	1	1
14	155140002	Plate spring	1	1	1
15	S150202027	Screw M3.5× 4 GB67- 2000	1	1	1
16	209160001	Direction guide plate	1	1	1
17	S150203002	Screw M4× 8 GB68- 2000	2	2	2
18	155130003	Latch lever for cloth plate	1	1	1
19	155130005	Screw	1	1	1
20	155130004	Spring	1	1	1
21	155130006	Nut	1	1	1
22	209170001	Fabric guide	1	1	1
23	209170002	Cushion	1	1	1
24	S150216045	Screw M4× 8 GB818- 2000	2	2	2
25	209100010	Eye guard			1
	210100002	Eye guard	1	1	
26	S150202033	Screw M3× 6 GB67- 2000	2	2	2
27	S150607007	Washer 3 GB97.1- 2000	2	2	2
28	285000021	Eye guard support plate	1	1	1
29	155100025	Wave spring	2	2	2
30	155100024	Screw	1	1	1
31	209100012	Feed bar cover	1	1	1
32	155100033	Screw M4× 8	3	3	3
33	209100013	Rubber ring	1	1	1
34	209100015	Back cover for feed mechanism	1	1	1
35	S150216013	Screw M4× 12 GB818- 2000	4	4	4
36	S150299033	Screw M4× 16 GB818- 2000	1	1	1
37	S150503003	Nut 4 GB52- 76	1	1	1
38	BXF8899009	Rivet	2	2	2
39	198000020	Modle plate	1	1	1

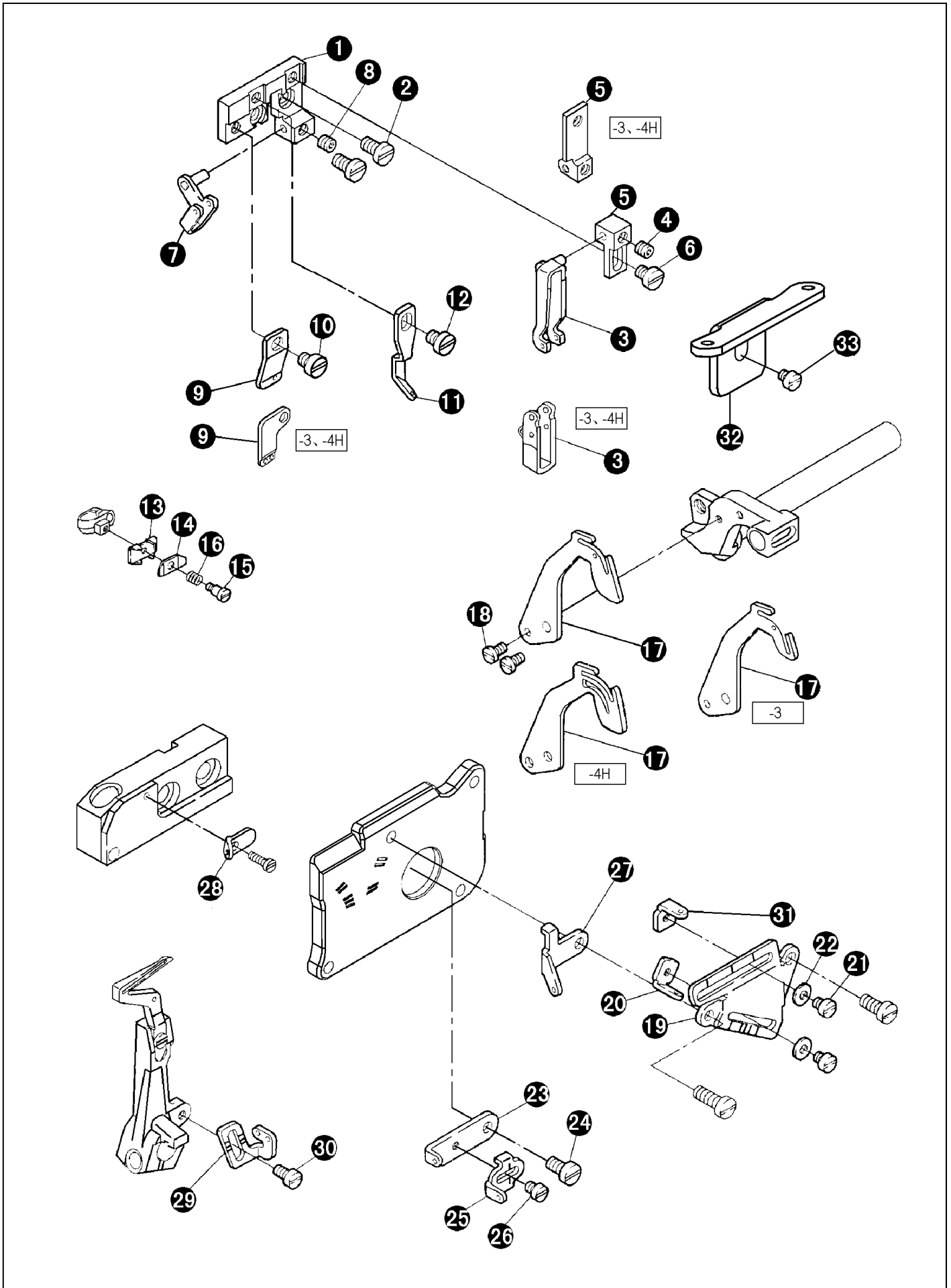
2. CRANK SHAFT PARTS



2. CRANK SHAFT PARTS

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209211000	Crank shaft	1	1	1
2	S150212017	Screw M3× 3 GB77- 2000	5	5	5
3	209200008	Balance weight	2	2	2
4	S150202048	Screw M3× 8 GB67- 2000	4	4	4
5	209210001	Pin			1
	210110001	Pin	1	1	
6	209221002	O- type ring	2	2	2
7	155220001	Ratchet wheel	1	1	1
8	209221000	Ball bearing assy (L)	1	1	1
9	S150299011	Screw M5× 10 GB77- 2000	1	1	1
10	S150299028	Screw M5× 5 GB77- 2000	1	1	1
11	209200009	Ring	1	1	1
12	S150801107	Ball bearing (middle) 6203	1	1	1
13	S150801096	Ball bearing(right) 6203- Z	1	1	1
14	209200001	Washer	1	1	1
15	209200002	Crank shaft oil reject	1	1	1
16	S150651032	O- type ring 17× 1.8 GB3452.1- 2000	1	1	1
17	S150651004	O- type ring 38.7X2.65 GB3452.1- 2000	1	1	1
18	209200003	Bearing presser	1	1	1
19	S150216040	Screw M4× 10 GB818- 2000	3	3	3
20	209200004	Cooling fan	1	1	1
21	2092A0001	Machine pulley	1	1	1
22	S150299010	Screw M6× 8 GB77- 2000	2	2	2
23	S150299007	Screw M6× 35 GB70- 2000	1	1	1
24	S150601004	Spring washer 6	1	1	1
25	155200001	Crank shaft extension			1
26	209200007	Bearing cap			1
	210200001	Bearing cap	1	1	
27	S150203002	Screw M4× 8 GB68- 2000	2	2	2
28	S150216045	Screw M4× 8 GB818- 2000	1	1	1
29	209200005	Spacer	1	1	1
30	2092A0002	Cover	1	1	1
31	209200006	Crank shaftbush (M)	1	1	1
32	S150651004	O- type ring 38.7X2.65 GB3452.1- 2000	1	1	1
33	S150299029	Screw M6× 6 GB77- 2000	1	1	

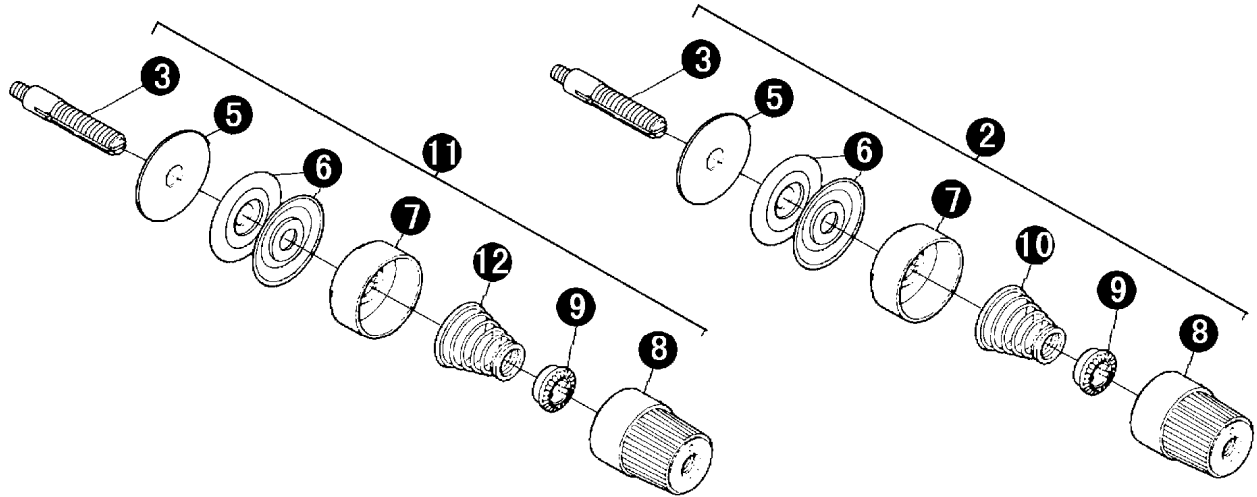
3. THREAD EYELETS (1)



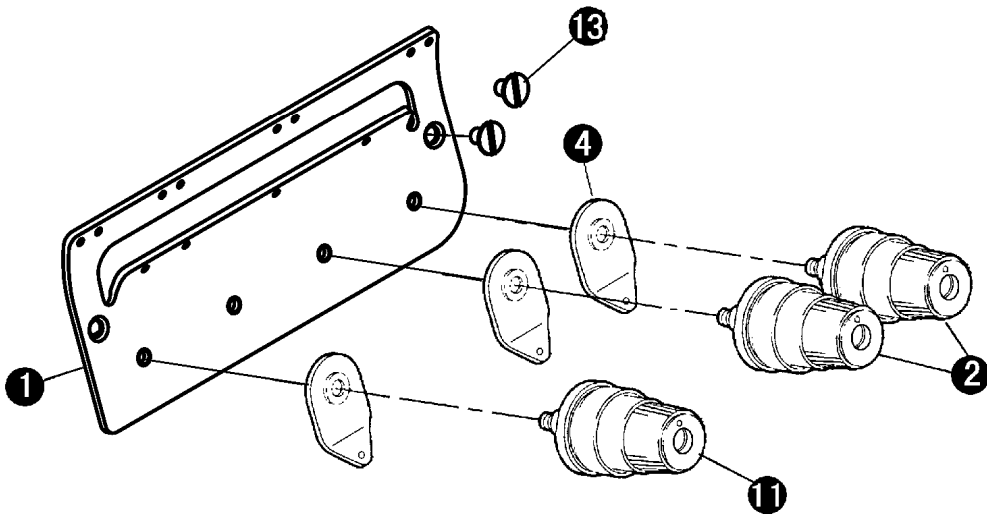
3. THREAD EYELETS (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209900002	Bracket			1
2	155100034	Screw M4× 8			2
3	209900003	Thread guide			1
	210800000	Thread guide	1	1	
4	S150299027	Screw M4× 4 GB77- 2000	1	1	1
5	209900004	Bracket			1
	210800002	Bracket	1	1	
6	S150202038	Screw M4× 5 GB67- 2000	1	1	1
7	209900005	Thread guide			1
	210800003	Thread guide	1	1	
8	S150299027	Screw M4× 4 GB77- 2000	1	1	1
9	209900006	Thread guide (R)			1
	210800003	Thread guide (R)	1	1	
10	S150202038	Screw M4× 5 GB67- 2000	1	1	1
11	209900007	Thread guide (L)	1	1	1
12	S150202038	Screw M4× 5 GB67- 2000	1	1	1
13	209280003	Bracket	1	1	1
14	209280002	Thread retaining plate	1	1	1
15	209280005	Screw M2	1	1	1
16	209280004	Spring	1	1	1
17	209900008	Thread takeup lever			1
	210800004	Thread takeup lever		1	
	211800001	Thread takeup lever	1		
18	S150202033	Screw M3× 6 GB67- 2000	2	2	2
19	209900009	Bracket	1	1	1
20	209900010	Thread guide	1	1	1
21	S150201003	Screw M3× 5 GB65- 76	2	2	2
22	S150607007	Washer 3 GB97.1- 2000	2	2	2
23	209900011	Thread take- up	1	1	1
24	S150201012	Screw M4× 8 GB65- 2000	1	1	1
25	209900012	Thread guide	1	1	1
26	S150201002	Screw M3× 4 GB65- 76	1	1	1
27	209900013	Thread guide plate	1	1	1
28	209330007	Thread guide	1	1	1
29	209900014	Thread guide	1	1	1
30	209400013	Screw M3.5× 6.5 GB67- 2000	1	1	1
31	209900015	Adjusting line hook	1	1	1
32	155A00004	Over line board	1	1	1
33	S150216031	Screw M4X6 GB818- 2000	1	1	1

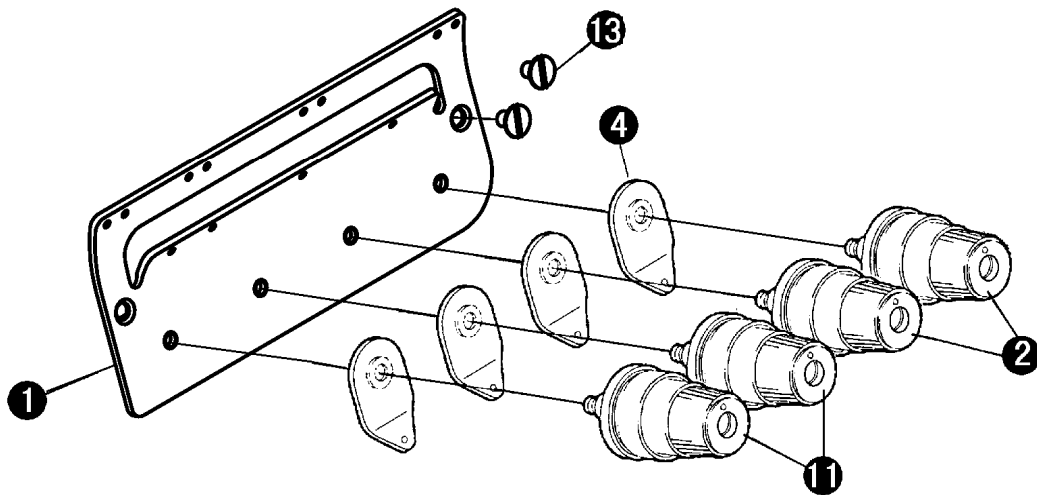
3. THREAD EYELETS (2)



-3



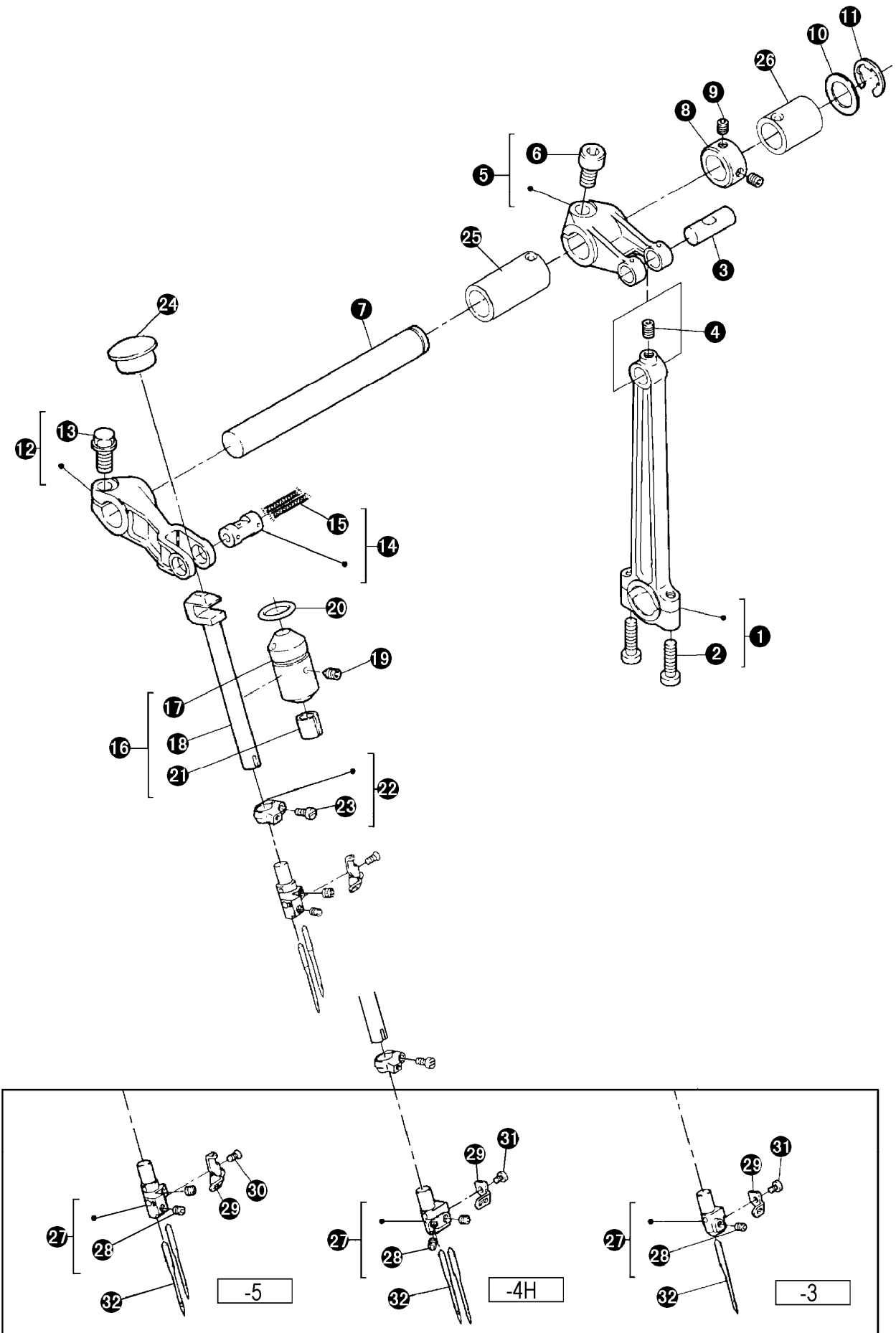
-4H, -5



3. THREAD EYELETS (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	155A10001	Thread guide plate	1	1	1
2	209912000	Tension nut complete (middle)	2	2	2
3	155A10003	Screw			
4	028283008	Tension guide plate	3	4	4
5	028283007	Felt			
6	022160005	Tension disc			
7	155A10008	Cup			
8	155A10009	Post nut			
9	155A10007	Spring bushing			
10	155A10006	Tension Spring (φ 0.8)			
11	209911000	Tension nut complete	1	2	2
12	155A10005	Tension Spring (φ 1)			
13	116400008	Screw	2	2	2

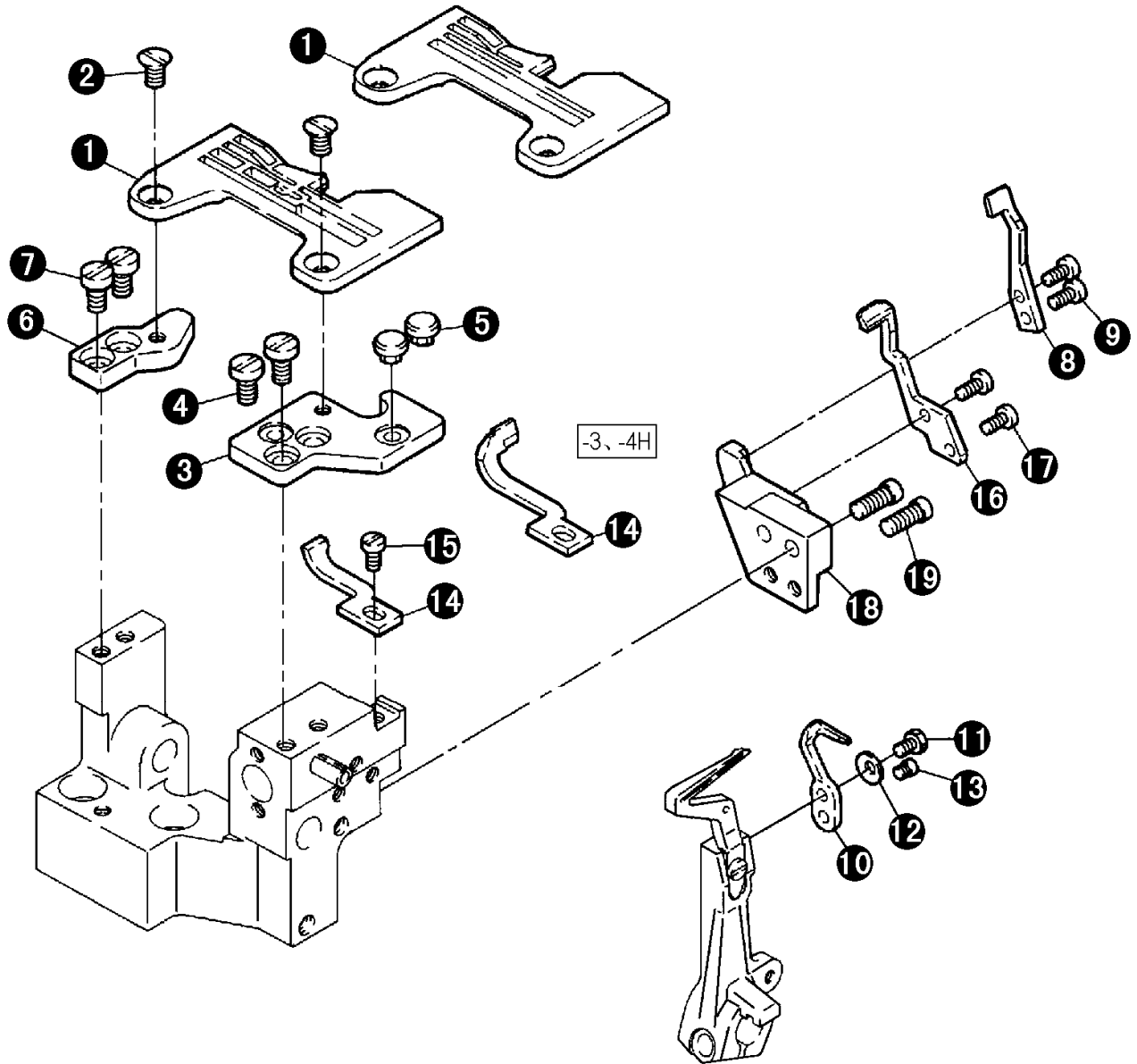
4. NEEDLE BAR PARTS (1)



4. NEEDLE BAR PARTS (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209230000	Needle drive crank rod assy	1	1	1
2	S150299033	Screw M4× 16 GB818- 2000	2	2	2
3	155300023	Pin	1	1	1
4	S150299012	Screw M4× 6 GB77- 2000	1	1	1
5	209240000	Upper shaft crank complete	1	1	1
6	155300017	Screw	1	1	1
7	209200010	Upper shaft	1	1	1
8	285000011	Set collar	1	1	1
9	S150299027	Screw M4× 4 GB77- 2000	2	2	2
10	155600002	Washer	1	1	1
11	S150620009	Retaining ring 8 GB896- 2000	1	1	1
12	209250000	Needle bar crank	1	1	1
13	155400010	Screw	1	1	1
14	209260000	Shaft assy	1	1	1
15	155320002	Oil wick	2	2	2
16	209270000	Bushing assy	1	1	1
17	209171001	Bush	1	1	1
18	209270001	Needle bar	1	1	1
19	B120215306	Screw M4× 4 GB78- 2000	1	1	1
20	209500017	O- type ring 11.8× 1.5	1	1	1
21	209271002	Felt	1	1	1
22	209280000	Holder	1	1	1
23	209280006	Screw M3× 6	1	1	1
24	155500017	Oil seal	1	1	1
25	209200012	Bush (L)	1	1	1
26	209200013	Bush (R)	1	1	1
27	209290000	Needle holder assy			1
	210290000	Needle holder assy		1	
	211210000	Needle holder assy	1		
28	209290002	Screw M3× 3 GB77- 2000	1	2	2
29	209200014	Thread guide			1
	210200002	Thread guide		1	
	211210002	Thread guide	1		
30	S150203010	Screw M2× 5 GB68- 2000			1
31	S150202026	Screw M2× 3 GB67- 2000	1	1	
32	159300007	Needle DC×27 11#	1	2	2

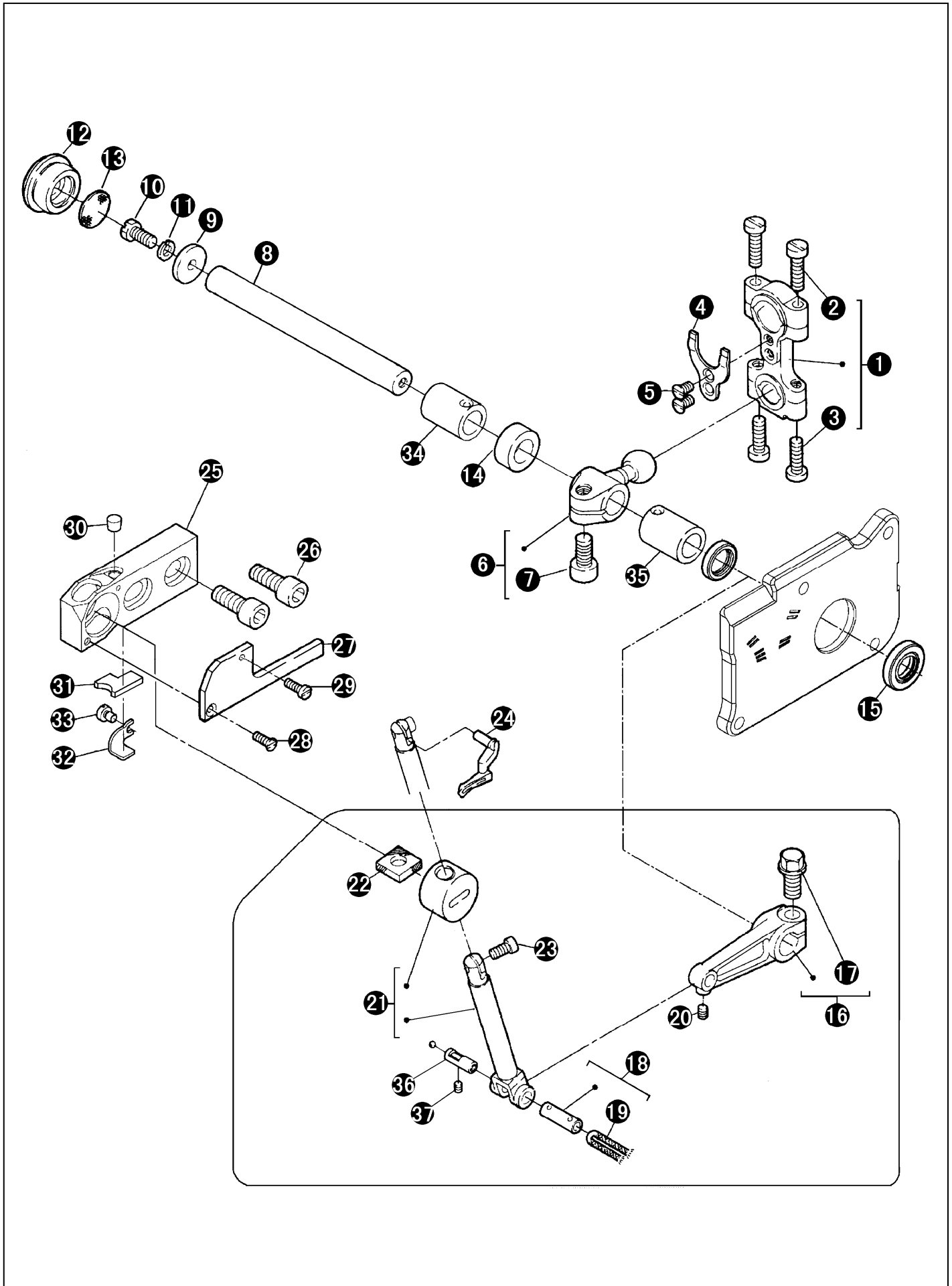
4. NEEDLE BAR PARTS (2)



4. NEEDLE BAR PARTS (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209200015	Needle plate 3× 4			1
	210200003	Needle plate 2× 4		1	
	211200002	Needle plate 4	1		
2	209200017	Screw M4× 7.5	2	2	2
3	209200018	Needle plate bracket (front)	1	1	1
4	S150216045	Screw M4× 8	2	2	2
5	155100027	Cushion rubber	2	2	2
6	209200019	Needle plate bracket (rear)	1	1	1
7	S150216045	Screw M4× 8 GB818- 2000	2	2	2
8	209200020	Needle guard (front)			1
9	S150216011	Screw M3× 6 GB818- 2000			2
10	209200021	Movalbe needle guard	1	1	1
11	S150103003	Screw M3× 5 GB29.1- 2000	1	1	1
12	S150603005	Washer 3	1	1	1
13	209200023	Insulator pin M3	1	1	1
14	209200024	Chain stitch needle guard (front)			1
	210200006	Chain stitch needle guard (front)	1	1	
15	S150216045	Screw M4× 8 GB818- 2000	1	1	1
16	209200025	Chain stitch needle guard (rear)			1
17	S150216011	Screw M3× 6 GB818- 2000			2
18	209200026	Bracket			1
19	209200027	Screw M4× 10			2

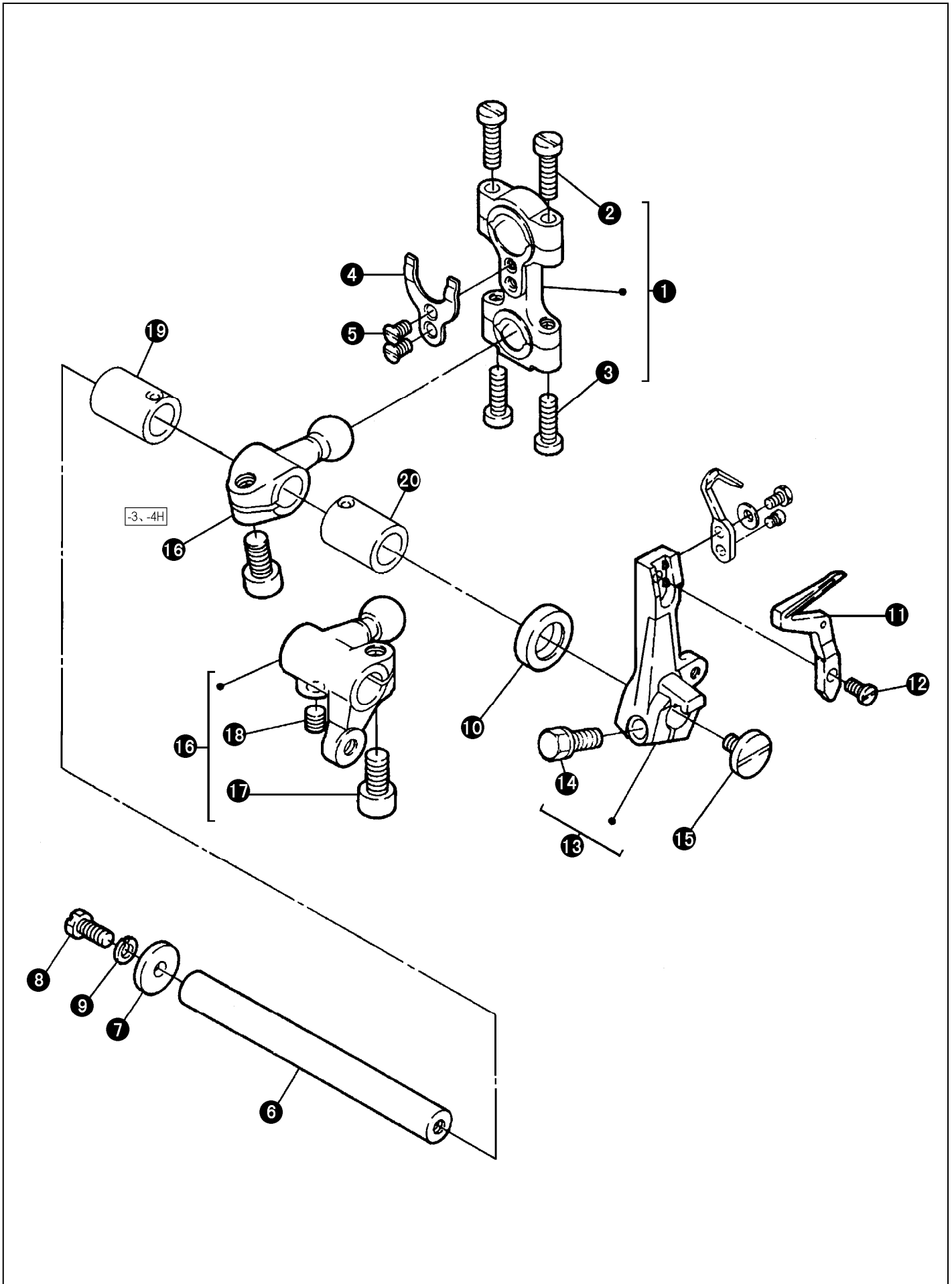
5. UPPER LOOPER PARTS



5. UPPER LOOPER PARTS

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209310000	Looper ball link complete	1	1	1
2	S150299033	Screw M4× 16 GB818- 2000	2	2	2
3	S150299031	Screw M4× 10 GB818- 2000	2	2	2
4	209300001	Guide	1	1	1
5	S150218006	Screw M3× 5 GB68- 2000	2	2	2
6	209320000	Upper looper ball crank complete	1		1
	210350000	Upper looper ball crank complete		1	
7	155300017	Screw M6X12	1	1	1
8	209300002	Shaft	1	1	1
9	155400005	Washer	1	1	1
10	S150103011	Screw M5× 10 GB29.1- 2000	1	1	1
11	S150602006	Spring washer 5 GB859- 2000	1	1	1
12	209300003	Rubber plug	1	1	1
13	209300004	Filter	1	1	1
14	209300005	Spacer	1	1	1
15	028330001	Oil seal	1	1	1
16	209330002	Upper looper crank	1	1	1
17	155400010	Screw M6× 2	1	1	1
18	155430000	Upper looper holder assy	1	1	1
19	155430002	Oil wick	1	1	1
20	S150299019	Screw M3× 4 GB78- 2000	1	1	1
21	209331000	Upper looper holder assy	1	1	1
22	155400013	Oil felt	1	1	1
23	209330005	Screw M3.5× 6	1	1	1
24	209300007	Upper bending needle	1		1
	210300001	Upper bending needle		1	
25	209330001	Upper looper holder base	1	1	1
26	S150299025	Screw M6× 16 GB70- 2000	2	2	2
27	209330006	Over looper guide cover	1	1	1
28	S150203003	Screw M2.5× 6 GB68- 2000	1	1	1
29	S150202025	Screw M2.5× 8 GB67- 2000	1	1	1
30	155400008	Oil felt	1	1	1
31	209330003	Felt	1	1	1
32	209330004	Bracket	1	1	1
33	S150202050	Screw M3× 4 GB67- 2000	1	1	1
34	209300012	Bush	1	1	1
35	209300013	Bush	1	1	1
36	155440000	Pin complete	1	1	1
37	S150299027	Screw M4× 4	1	1	1

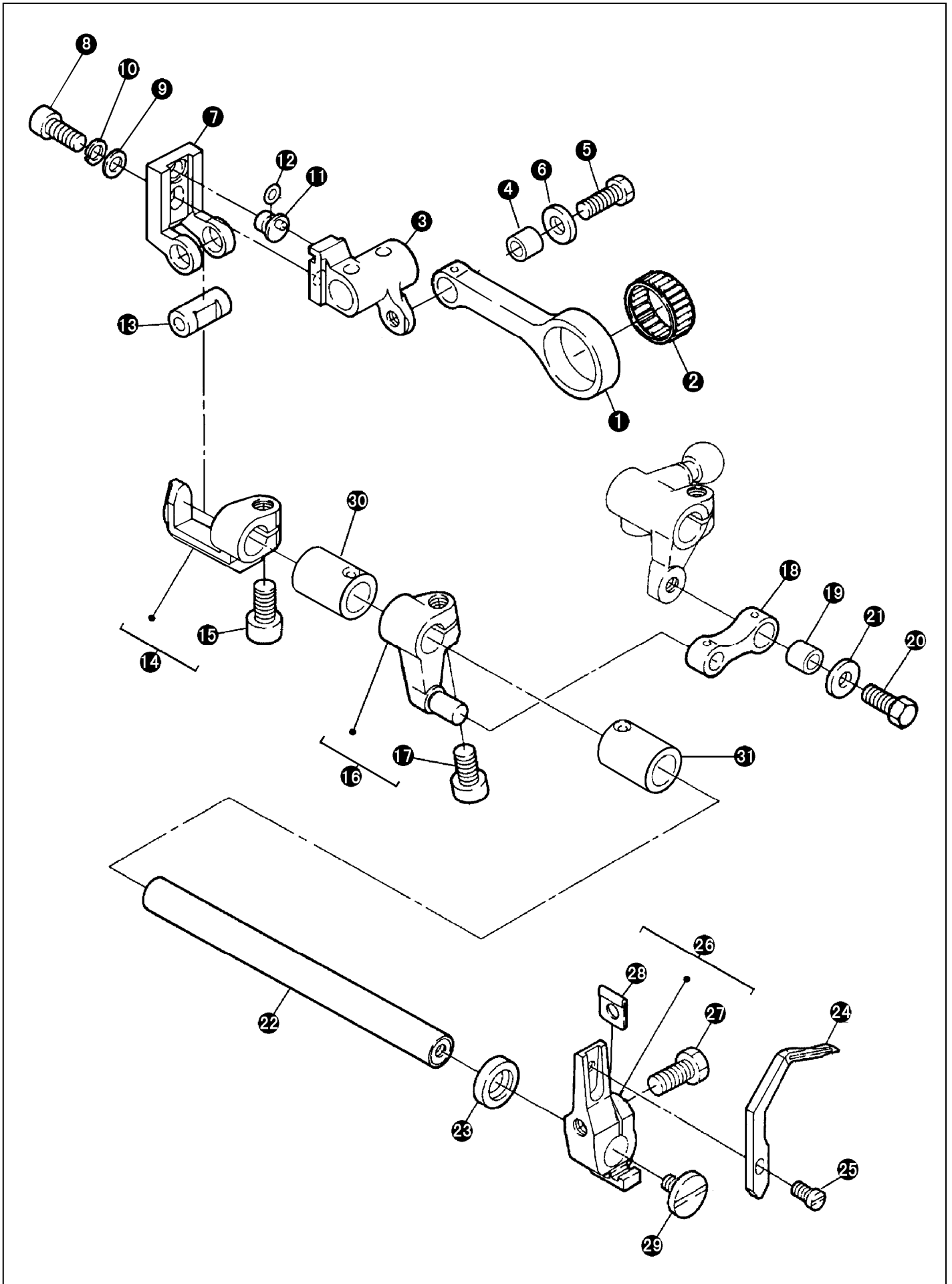
6. LOWER LOOPER PARTS



6. LOWER LOOPER PARTS

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209310000	Looper ball link complete	1	1	1
2	S150299033	Screw M4× 16 GB818- 2000	2	2	2
3	S150299031	Screw M4× 10 GB818- 2000	2	2	2
4	209300001	Guide	1	1	1
5	S150218006	Screw M3× 5 GB68- 2000	2	2	2
6	209300002	Shaft	1	1	1
7	155400005	Washer	1	1	1
8	S150103011	Screw M5× 10 GB29.1- 2000	1	1	1
9	S150602006	Spring washer 5 GB859- 2000	1	1	1
10	028330001	Oil seal	1	1	1
11	209300008	Lower looper	1		1
	210300002	Lower looper		1	
12	209400013	Screw M3.5× 6.5	1	1	1
13	209340000	Lower looper holder assy	1	1	1
14	209300009	Screw M5× 13	1	1	1
15	209300010	Screw M4× 7	1	1	1
16	209350000	Crank assy			1
	210350000	Crank assy	1	1	
17	155300017	Screw M6X12	1	1	1
18	S150299028	Screw M5× 5 GB77- 2000	1	1	1
19	209300011	Bush	1	1	1
20	209300013	Bush	1	1	1

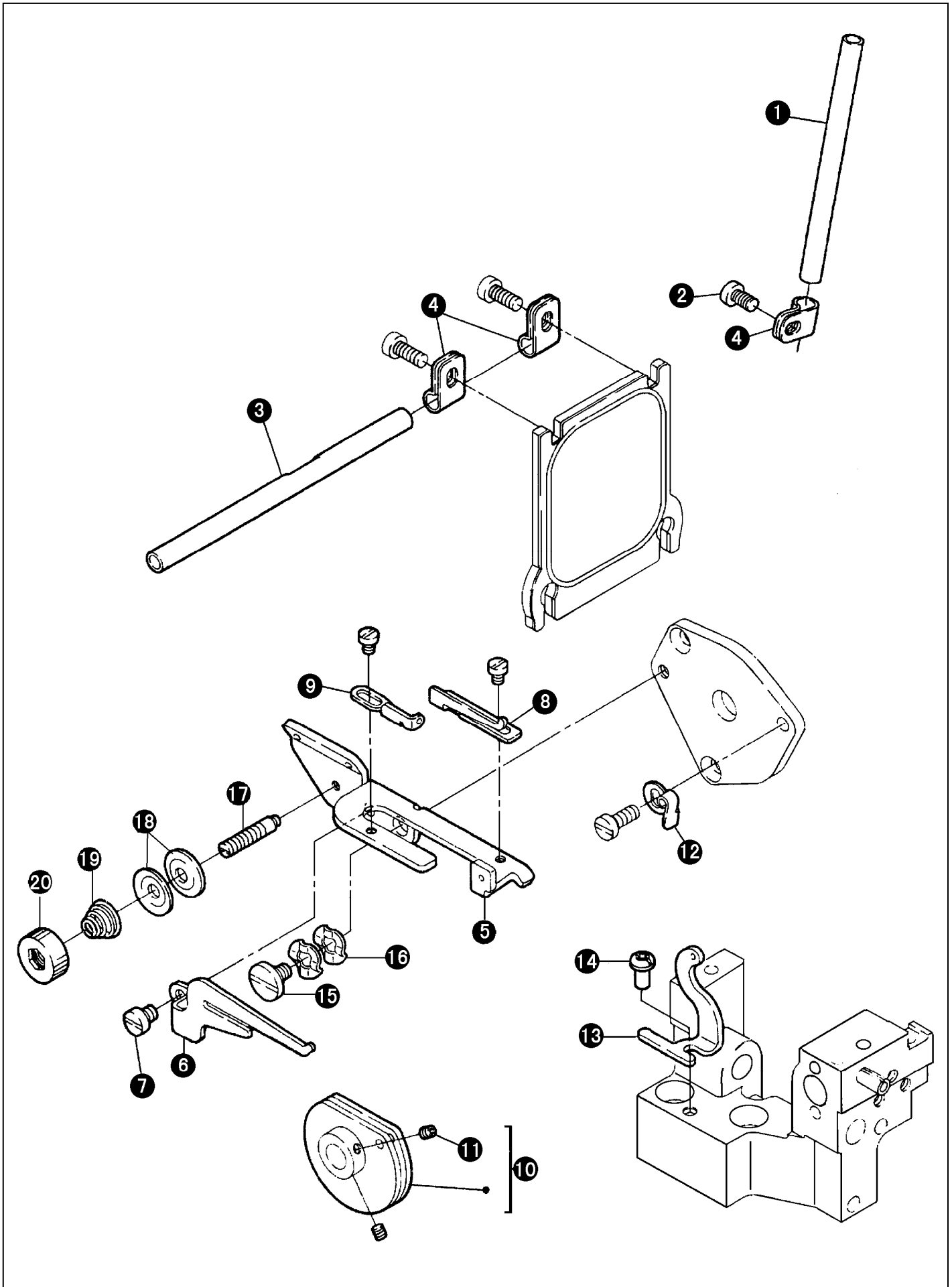
7. FRONT LOOPER PARTS (1)



7. FRONT LOOPER PARTS (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209400001	Connection			1
2	S150801106	Needle bearing K18× 22× 8			1
3	209400002	Crank			1
4	209400003	Pin roller			1
5	209400007	Screw M5× 0.5X13 GB5781- 2000			1
6	209400004	Washer			1
7	209400005	Slider			1
8	S150209052	Screw M5× 12 GB70- 2000			1
9	B084050974	Washer S5 GT670			1
10	S150602006	Spring washer 5 GB859- 2000			1
11	209400006	Pin			1
12	209400008	O- type ring3.6× 1.2			1
13	155700005	Pin			1
14	209420000	Slide block holder assy			1
15	155300017	Screw M6X12			1
16	209430000	Crank for front looper assy			1
17	155300017	Screw M6X12			1
18	209400009	Link			1
19	209400003	Pin roller			1
20	209400007	Screw M5× 0.5× 13			1
21	209400004	Washer			1
22	209400010	Shaft for looper drive			1
23	209400011	Oil seal			1
24	209400012	Front looper			1
25	209400013	Screw M3.5× 6.5			1
26	209440000	Front looper holder assy			1
27	209300009	Screw M5× 13			1
28	209440002	Washer			1
29	209300010	Screw M4× 7			1
30	209300011	Bush			1
31	209300013	Bush			1

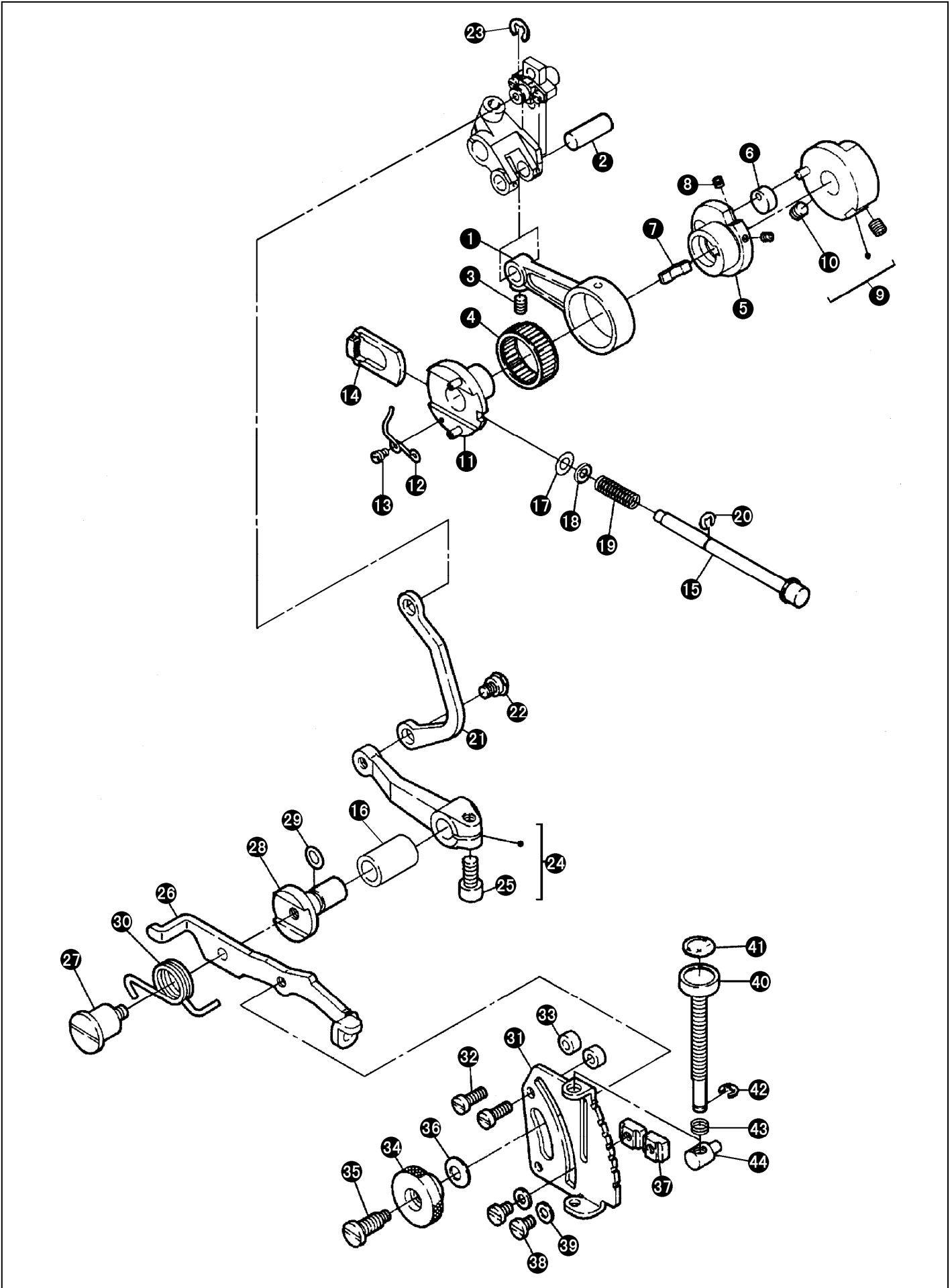
7. FRONT LOOPER PARTS (2)



7. FRONT LOOPER PARTS (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209400015	Short thread pipe			1
2	S150216045	Screw M4× 8 GB818- 2000			1
3	209400016	Long thread pipe			1
4	116250002	Tube clamp			3
5	155A40001	Thead guide bracket			1
6	155A00009	Thead guide plate			1
7	S150201009	Screw M4× 4 GB65- 85			1
8	155A40002	Thead guide (R)			1
9	155A40003	Thead guide (L)			1
10	039410N	Thread takeup cam assy			1
11	182610010	Screw M3× 3			2
12	155A00010	Spring			1
13	209400017	Thead guide plate			1
14	S150216045	Screw M4× 8 GB818- 2000			1
15	155100024	Screw			1
16	155100025	Washer			2
17	155A40004	Screw			1
18	039400041	Small clip wire			2
19	039400042	Spring			1
20	155A41000	Nut assy			1

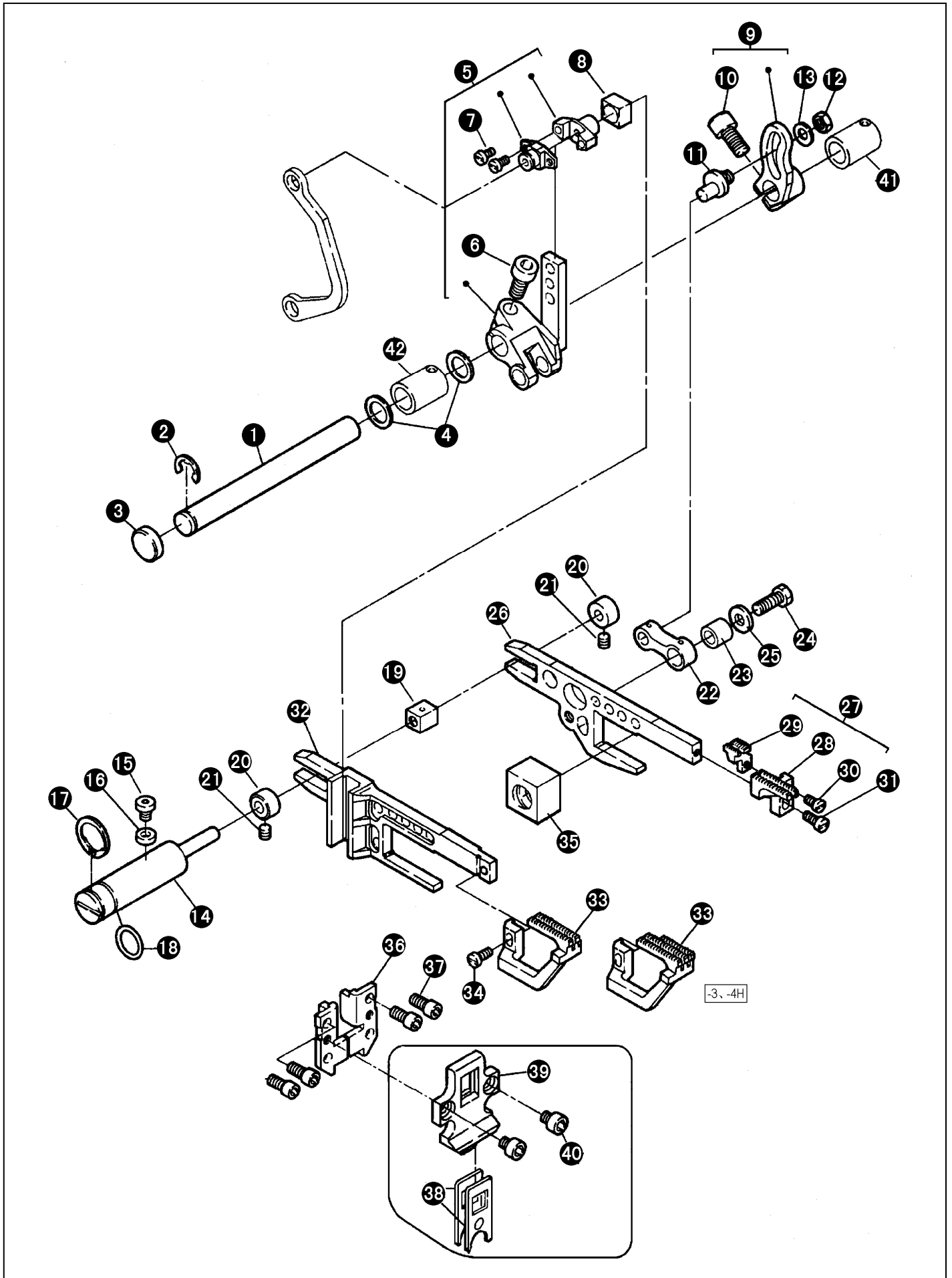
8. FEED DRIVE PARTS (1)



8. FEED DRIVE PARTS (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209500001	Link for feed drive	1	1	1
2	155300023	Pin	1	1	1
3	S150299012	Screw M4× 6 GB77- 2000	1	1	1
4	155540000	Needle bearing	1	1	1
5	155500026	Feed drive cam	1	1	1
6	028400080	Pin roller	1	1	1
7	155500027	Plate spring	1	1	1
8	S150224015	Screw M3× 6 GB77- 2000	2	2	2
9	209510000	Feed drive cam holder complete	1	1	1
10	S150299028	Screw M5× 5 GB77- 2000	2	2	2
11	155550000	Stitch length cam complete	1	1	1
12	155500031	Spring	1	1	1
13	155500032	Screw	1	1	1
14	155500030	Stitch length adjust stopper	1	1	1
15	209500002	Push button	1	1	1
16	155500040	Bush	1	1	1
17	S150651028	O- type ring 4× 1.8 GB3452.1- 2000	2	2	2
18	209500004	Washer	1	1	1
19	209500005	Spring	1	1	1
20	S150620001	Retaining ring 3	1	1	1
21	209500007	Differential stitch regulating link	1	1	1
22	155500037	Screw	1	1	1
23	S150620005	Retaining ring 6 GB896- 2000	1	1	1
24	209520000	Differential stitch crank complete	1	1	1
25	155300017	Screw M6X12	1	1	1
26	209500008	Differential stitch regulating	1	1	1
27	155500043	Screw	1	1	1
28	155500039	Differential stitch regulating shaft	1	1	1
29	S150651007	O- type ring 10× 1.9	1	1	1
30	155500042	Spring	1	1	1
31	209500009	Differential stitch control	1	1	1
32	S150216013	Screw M4× 12 GB818- 2000	2	2	2
33	209500010	Washer	2	2	2
34	209500011	Nut	1	1	1
35	155500047	Screw	1	1	1
36	028400044	Washer	1	1	1
37	209500012	Stopper	2	2	2
38	S150216031	Screw M4× 6 GB818- 2000	2	2	2
39	S150607008	Washer 4 GB97.1- 2000	2	2	2
40	209500013	Adjusting bar	1	1	1
41	209500014	Seal	1	1	1
42	S150620001	Retaining ring 3 GB896- 2000	1	1	1
43	209500015	Spring	1	1	1
44	209500016	Pin	1	1	1

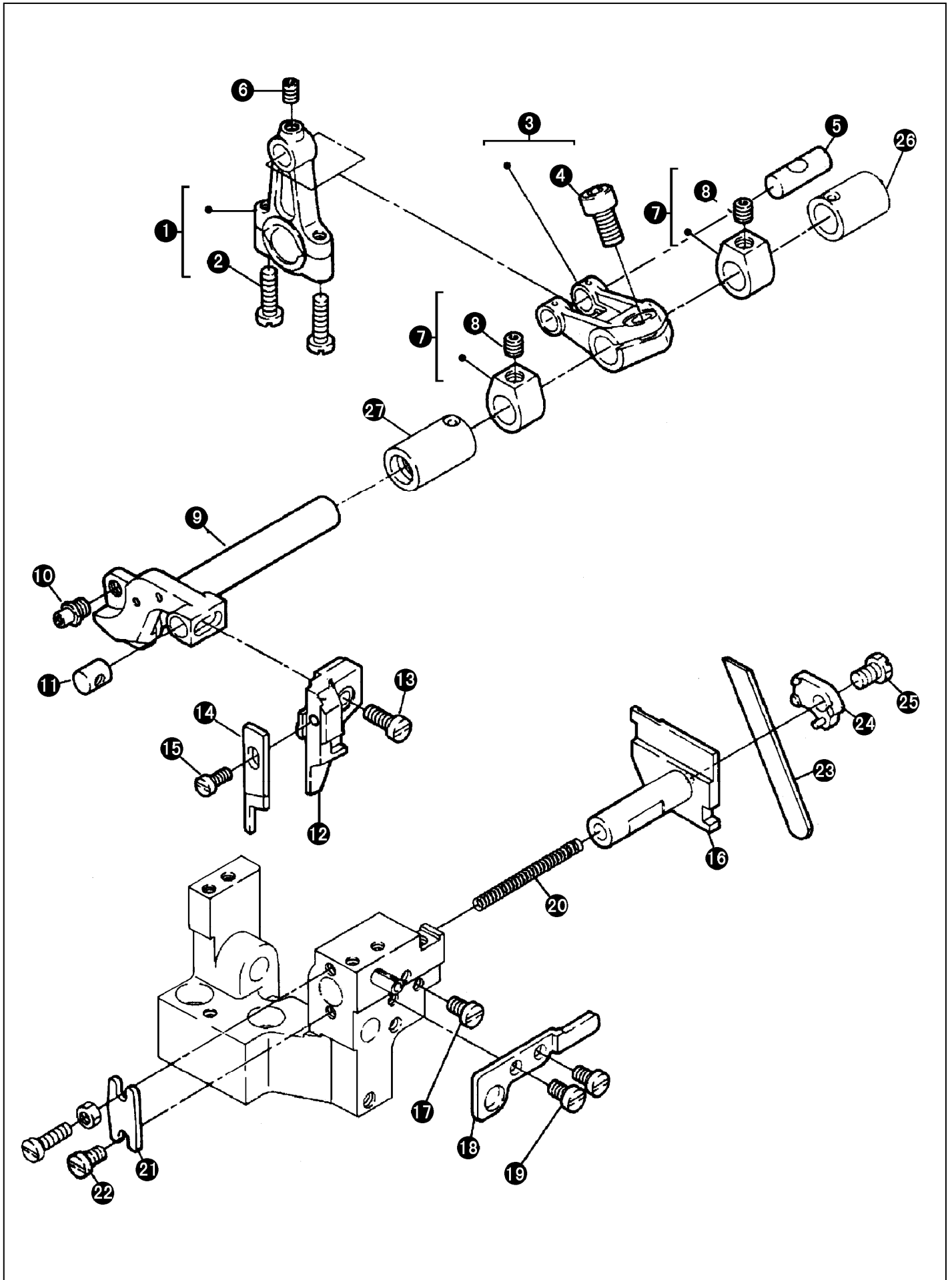
8. FEED DRIVE PARTS (2)



8. FEED DRIVE PARTS (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209500019	Feed shaft	1	1	1
2	060410014	Retaining ring 7	1	1	1
3	209500035	Oil seal	1	1	1
4	155300006	Washer	2	2	2
5	209530000	Differential Feed crank complete	1	1	1
6	209530004	Screw M6X14	1	1	1
7	S150202033	Screw M3× 6 GB67- 2000	2	2	2
8	209500020	Block	1	1	1
9	209540000	Feed crank	1	1	1
10	209530004	Screw M6X14	1	1	1
11	209500021	Axis	1	1	1
12	S150503004	Nut 5 GB52- 76	1	1	1
13	155500010	Washer	1	1	1
14	209500022	Eccentric shaft	1	1	1
15	209500023	Screw	1	1	1
16	209500024	Washer	1	1	1
17	209500025	Ring	1	1	1
18	S150651012	O- type ring 11.8× 1.8	1	1	1
19	209500026	Slide block	1	1	1
20	209500027	Washer	2	2	2
21	S150299027	Screw M4× 4 GB77- 2000	2	2	2
22	209400009	connecting rod	1	1	1
23	209400003	Pin roller	1	1	1
24	209400007	Screw M5× 0.5× 13	1	1	1
25	209400004	Washer	1	1	1
26	209550001	Feed dog holder	1	1	1
27	209560000	Main feed dog assy			1
	210460000	Main feed dog assy	1	1	
28	209560001	Main feed dog	1	1	1
29	209560002	Auxible feed dog	1	1	1
30	S150217015	Screw M3× 6 GB67- 2000	1	1	1
31	B60350812	Screw M3.5× 8 GB67- 2000	1	1	1
32	209550002	Differential feed dog holder	1	1	1
33	209500028	Differential feed dog			1
	210400001	Differential feed dog	1	1	
34	B60350812	Screw M3.5× 8 GB67- 2000	1	1	1
35	209500029	Slide block for feed dog	1	1	1
36	209500036	Tooth guide plate	1	1	1
37	S150209094	Screw M4× 9 GB70- 2000	4	4	4
38	209500033	Differential feed seal plate	2	2	2
39	209500034	Differential feed seal guide plate	2	2	2
40	S150209093	Screw M4× 5 GB70- 2000	2	2	2
41	209300011	Right bush for feed shaft	1	1	1
42	209300013	Left bush for feed shaft	1	1	1

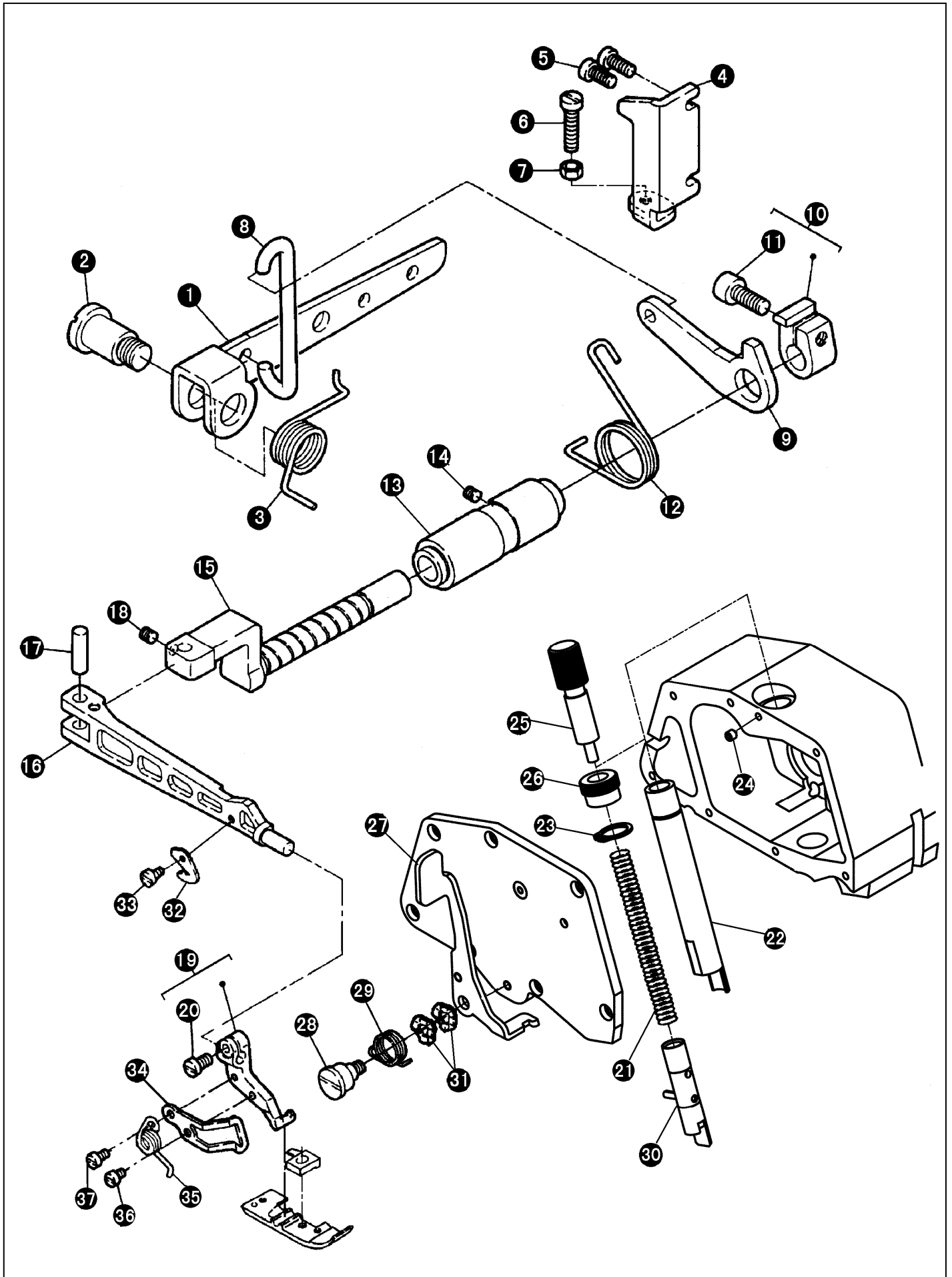
9. CUTTER DRIVE PARTS



9. CUTTER DRIVE PARTS

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209610000	Link for upper knife drive complete	1	1	1
2	S150299033	Screw M4× 16 GB818- 2000	2	2	2
3	209620000	Crank for upper cutter drive assy	1	1	1
4	155300017	Screw M6X12	1	1	1
5	155300023	Pin	1	1	1
6	S150299012	Screw M4× 6 GB77- 2000	1	1	1
7	209600001	Set collar	2	2	2
8	BX87459009	Screw M6× 6 GT655	2	2	2
9	209600002	Upper knife bar	1	1	1
10	209600003	Pin	1	1	1
11	209600004	Pin	1	1	1
12	209600005	Upper knife holder			1
	210500001	Upper knife holder	1	1	
13	S150216013	Screw M4× 12 GB818- 85	1	1	1
14	155600008	Upper knife	1	1	1
15	B60350812	Screw M3.5× 8 GB67- 2000	1	1	1
16	209600006	Upper knife holder			1
	210500002	Upper knife holder	1	1	
17	S150216045	Screw M4× 8 GB818- 2000	1	1	1
18	209600007	Lower knife holder guide	1	1	1
19	S150216045	Screw M4× 8 GB818- 2000	2	2	2
20	209600009	Spring	1	1	1
21	209600008	Plate	1	1	1
22	S150216045	Screw M4× 8 GB818- 2000	1	1	1
23	159600004	Lower knife	1	1	1
24	209600010	Clamp for lower cutter	1	1	1
25	B092500274	Screw M5× 8 GB29.1- 2000	1	1	1
26	209300011	Right bush for upper cutter bar	1	1	1
27	209600012	Left bush for upper cutter bar	1	1	1

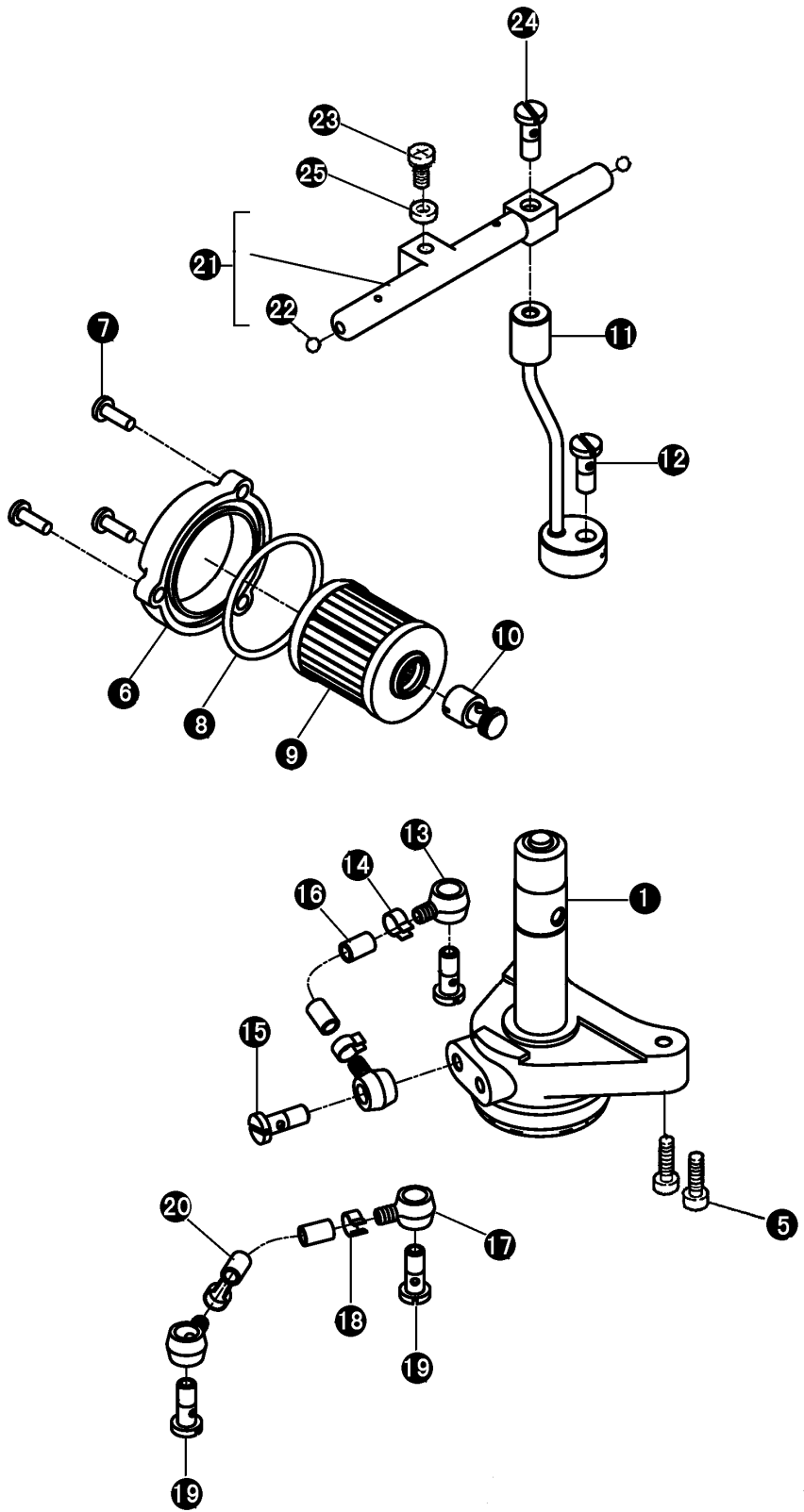
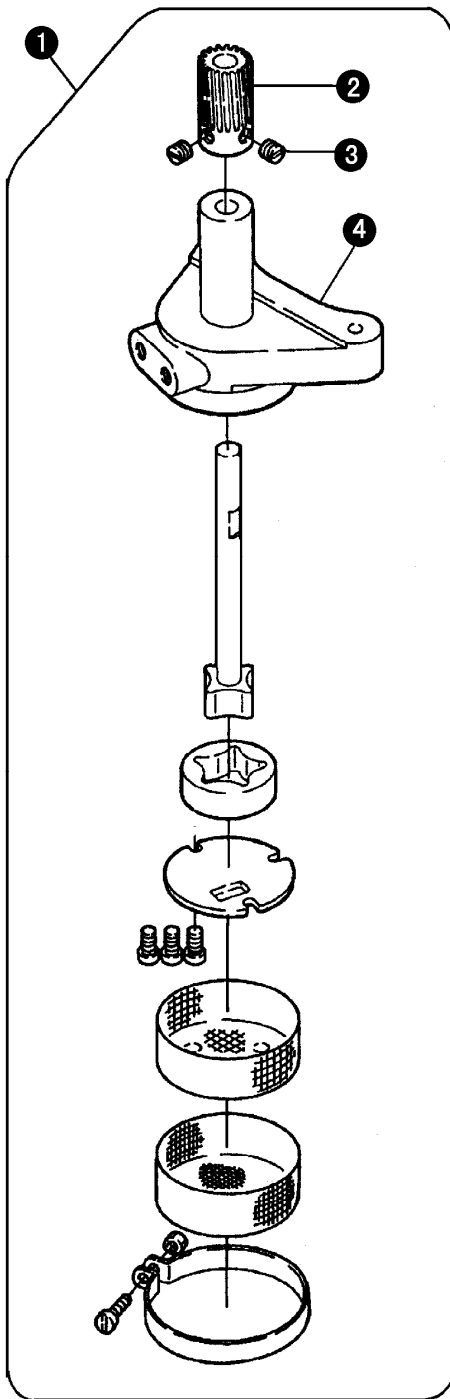
10. PRESSER FOOT LIFT PARTS



10. PRESSER FOOT LIFT PARTS

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209700001	Foot lift lever	1	1	1
2	155800010	Screw M10	1	1	1
3	209700002	Spring	1	1	1
4	209700003	Stopper plate	1	1	1
5	S150216040	Screw M4× 10 GB818- 2000	2	2	2
6	S150201013	Screw M5× 25	1	1	1
7	S150503004	Nut M5 GB52- 76	1	1	1
8	155800011	Link for foot lift lever	1	1	1
9	155800005	Lever	1	1	1
10	155800007	Set collar for foot lift shaft	1	1	1
11	209530004	Screw M6X14	1	1	1
12	155800006	Spring	1	1	1
13	209700005	Bush for presser foot lift	1	1	1
14	S150299027	Screw M4× 4 GB77- 2000	1	1	1
15	209700006	Press arm shaft	1	1	1
16	209700007	Press arm	1	1	1
17	155800002	Press arm pin	1	1	1
18	S150299027	Screw M4× 4 GB77- 2000	1	1	1
19	209720000	Presser foot complete			1
	210610000	Presser foot complete		1	
	211610000	Presser foot complete	1		
20	155300030	Screw M3.5× 8	1	1	1
21	155800014	Spring	1	1	1
22	285000005	Press rod sleeve	1	1	1
23	S150617024	Split washer GB894.1- 86	1	1	1
24	S150299027	Screw GB77- 85 M4× 4	1	1	1
25	285000008	Screw	1	1	1
26	285000009	Nut	1	1	1
27	285000007	Press bar lifter	1	1	1
28	285000019	Screw	1	1	1
29	285000018	Spring	1	1	1
30	285000004	Compacting rod	1	1	1
31	155100025	Washer	2	2	2
32	155800020	Knife	1	1	1
33	S150201002	Screw M3× 4	1	1	1
34	209700009	Finger guard			1
	210600001	Finger guard	1	1	
35	209700015	Spring	1	1	1
36	S150201002	Screw M3× 4 GB65- 2000	1	1	1
37	S150201003	Screw M3× 5 GB65- 2000	1	1	1

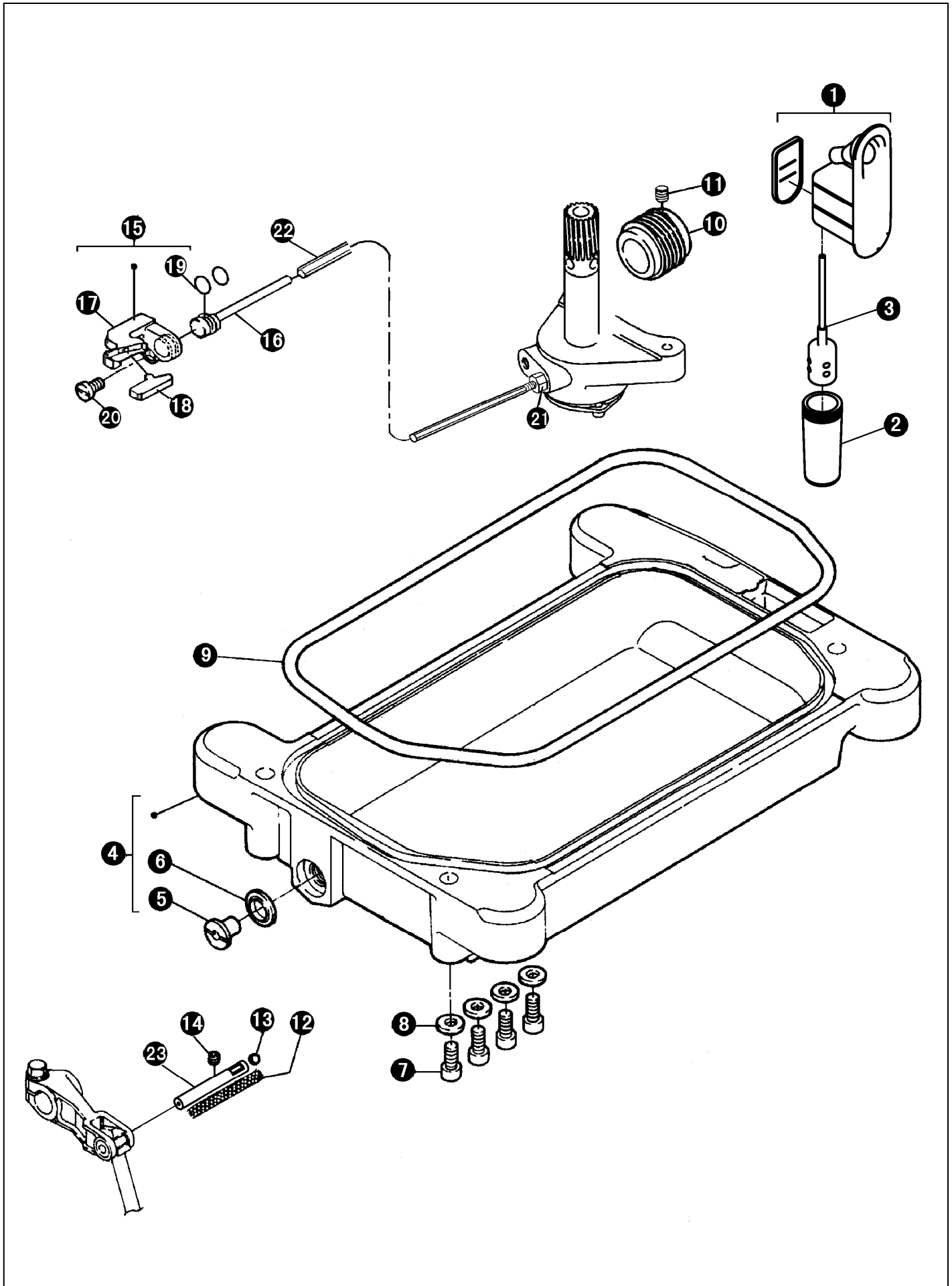
11. LUBRICATING PARTS (1)



11. LUBRICATING PARTS (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209810000	Oil pump complete	1	1	1
2	209810001	Worm wheel	1	1	1
3	S150299028	Screw M5× 5 GB77- 2000	2	2	2
4	155940001	Oil pump body	1	1	1
5	S150209050	Screw M4× 16 GB70- 2000	2	2	2
6	028700023	Oil filter cover	1	1	1
7	S150216013	Screw M4X12 GB818- 2000	3	3	3
8	S150650003	O type ring 45X3.1 GB1235- 85	1	1	1
9	028770001	Oil filter assy	1	1	1
10	285000010	Oil filter connection sleeve	1	1	1
11	285200000	Oil separator assy	1	1	1
12	155900005	Screw	1	1	1
13	028700010	Oil splash connector	2	2	2
14	028700011	Oil splash connector clamp	2	2	2
15	155900005	Screw	2	2	2
16	209800005	Tube L=120mm	1	1	1
17	028700010	Oil splash connector	2	2	2
18	028700011	Oil splash connector clamp	2	2	2
19	155900005	Screw	2	2	2
20	209800006	Tube L=130mm	1	1	1
21	209820000	Oil distributor	1	1	1
22	S151301001	Small ball plug 4 GB308- 2000	2	2	2
23	S150216016	Screw M4X14 GB818- 2000	1	1	1
24	155900005	Screw	1	1	1
25	S150607008	Washer4 GB97.1- 2000	1	1	1

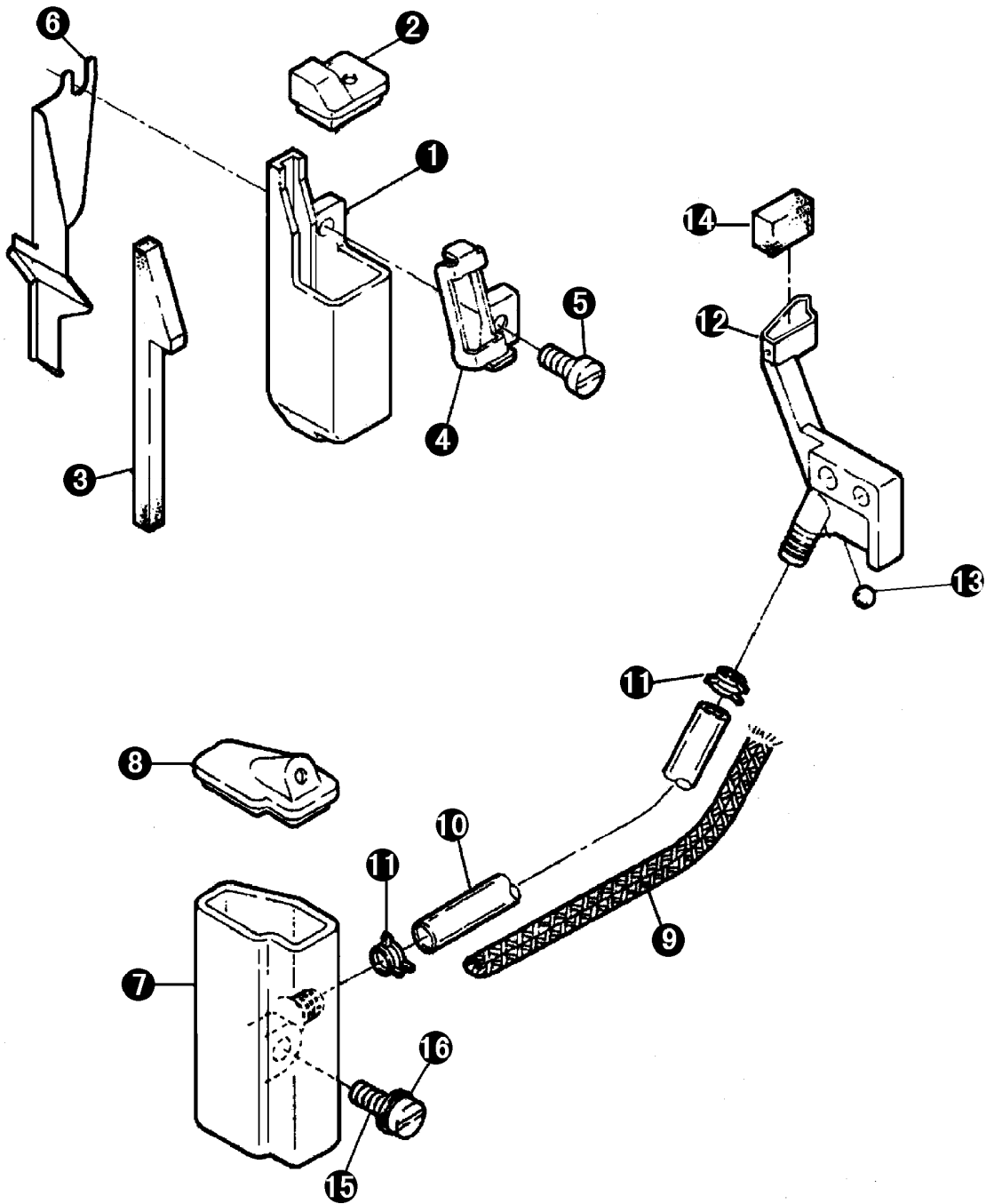
11. LUBRICATING PARTS (2)



11. LUBRICATING PARTS (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	285100000	Oil window assy	1	1	1
2	285000015	Limit tube	1	1	1
3	285000100	Oil float assy	1	1	1
4	209830000	Oil tray assy	1	1	1
5	028700026	Screw	1	1	1
6	028780001	Packing ring	1	1	1
7	S150209052	Screw M5× 12 GB70- 2000	4	4	4
8	155900017	Screw Washer	4	4	4
9	209800012	Packing ring	1	1	1
10	209800013	worm	1	1	1
11	S150299028	Screw M5× 5 GB77- 2000	1	1	1
12	155320002	Oil wick	1	1	1
13	S151301001	Small ball plug Φ 4 GB308- 2000	1	1	1
14	S150299027	Screw M4× 4 GB77- 2000	1	1	1
15	209860000	Large component of oil recovery joint	1	1	1
16	209861000	Oil recovery joint assy	1	1	1
17	209860002	Linoleum frame	1	1	1
18	209860001	Asphalt felt	1	1	1
19	S150651005	O- type ring 6× 1.8	2	2	2
20	S150216045	Screw M4× 8 GB818- 2000	1	1	1
21	155900010	Oil recovery joint	1	1	1
22	209800007	Oil recovery tube L=250mm	1	1	1
23	285000006	Oil supply pipe	1	1	1

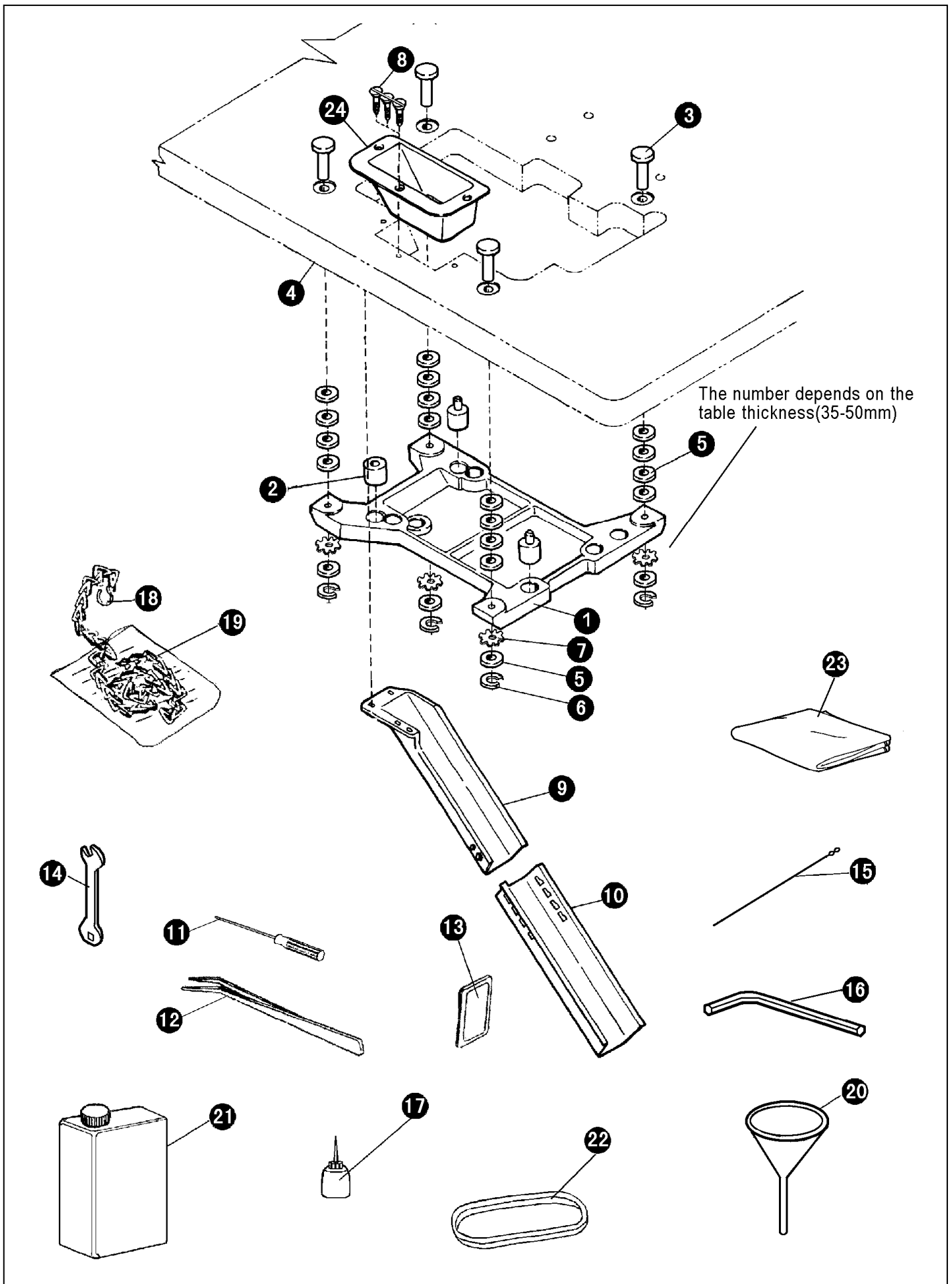
12. H.R DEVICE



12. H.R DEVICE

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209800014	Upper silicone oil reservoir	1	1	1
2	209800015	Cover for upper silicone oil reservoir	1	1	1
3	209800016	Oil felt			1
	210700002	Oil felt	1	1	
4	209800017	Thread guide			1
	210700001	Thread guide	1	1	
5	S150299031	Screw M4×10	1	1	1
6	209800018	Oil guide	1	1	1
7	209870001	Cover for upper silicone oil reservoir	1	1	1
8	209870002	Cover for upper silicone oil reservoir	1	1	1
9	155930004	Oil wick	1	1	1
10	209870003	Oil tube	1	1	1
11	028700011	Pipe clamp	2	2	2
12	209871001	Needle cooler			1
	210711001	Needle cooler	1	1	
13	S151301001	Small ball plug 4	1	1	1
14	209870004	Asphalt felt			1
	210711002	Asphalt felt	1	1	
15	S150216013	Screw M4×12	1	1	1
16	S150607008	Washer 4	1	1	1

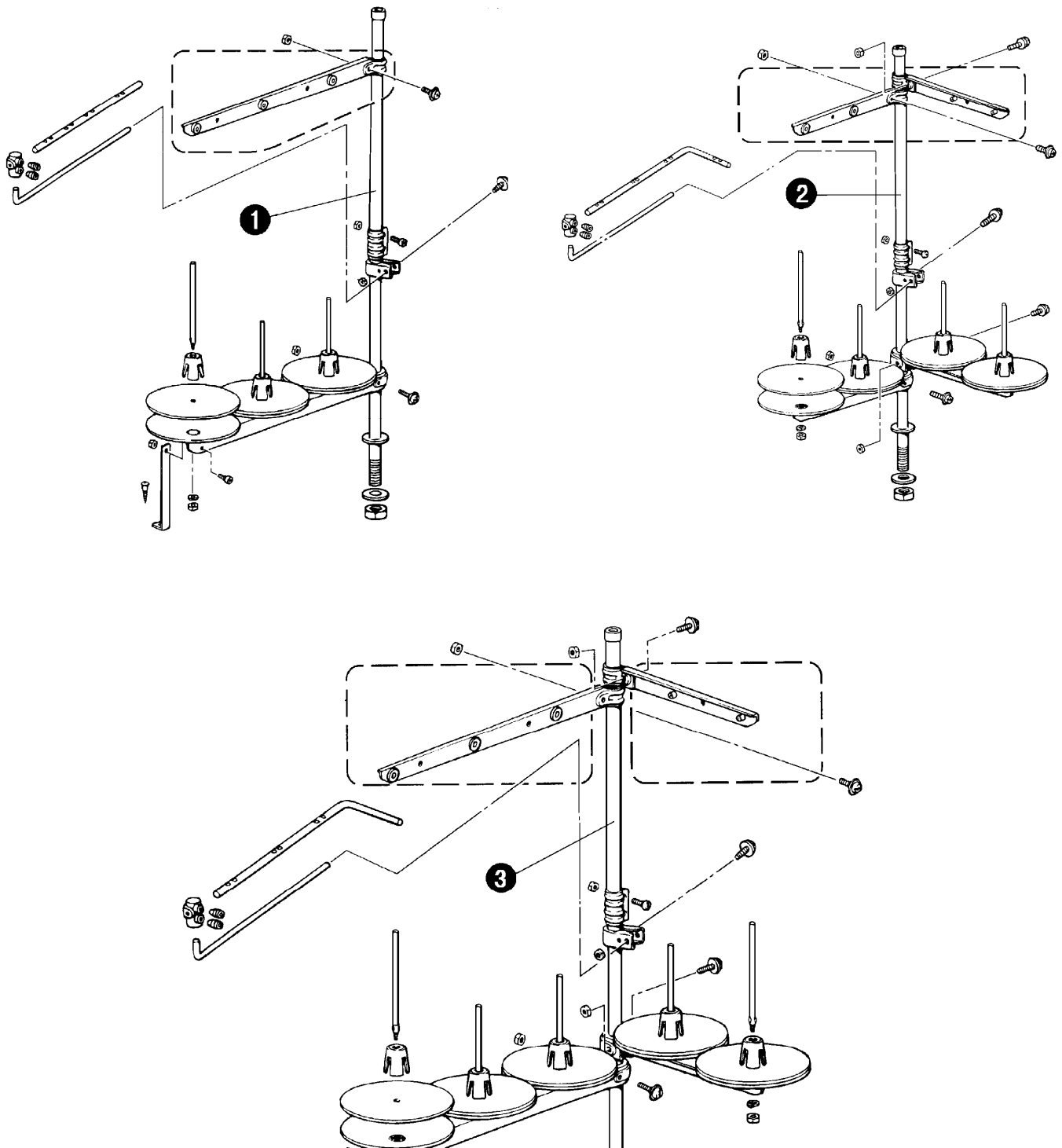
13. ACCESSORIES (1)



13. ACCESSORIES (1)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	209F01001	Machine rest board	1	1	1
2	209F01002	Rubber cushion	1	1	1
3	155F01100	Screw	4	4	4
4	209B00001	Table	1	1	1
5	110F10008	Rubber cushion	20	20	20
6	S150601006	Spring washer (8)	4	4	4
7	S150671001	Washer (8)	4	4	4
8	S150224003	Screw	3	3	3
9	209F01101	Wastes chute (upper)	1	1	1
10	209F01102	Wastes chute (lower)	1	1	1
11	110F00005	Hndled hex driver	1	1	1
12	W060401013	Tweezer	1	1	1
13	159300007	Needle	1 pack	1 pack	1 pack
14	W210105033	Double open- end	1	1	1
15	039A00001	Threading wire			1
16	S151004006	Hey key6	1	1	1
17	W060302006	Silicon oil pot	1	1	1
18	W060403031	Chain looper	2	2	2
19	W060401029	Chain	50 section	50 section	50 section
20	W060302009	Funnel	1	1	1
21	W060302088	Oil can	1	1	1
22	S151102018	Belt	1	1	1
23	W060302065	Vinyl cover	1	1	1
24	028800006- - W	Wastes chute mouth	1	1	1

13. ACCESSORIES (2)



13. ACCESSORIES (2)

No.	Ref.No.	Description	Qt.		
			- 3	- 4H	- 5
1	086700212- - W	Spool stand for three	1		
2	088900101- - W	Spool stand for four		1	
3	031380002- - W	Spool stand for five			1

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