

PREMIER SERIES

BY



P1206RB-1

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Operation Instruction

1. Brief introduction

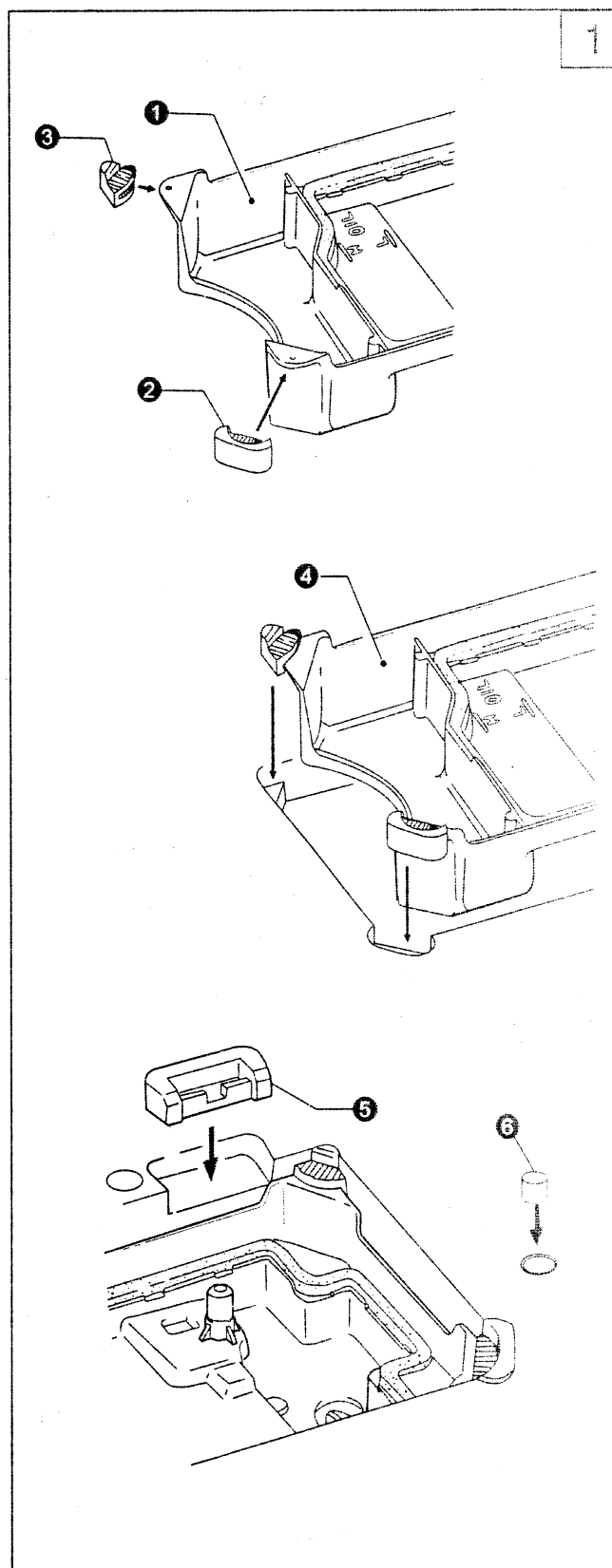
This machine is designed with link type feed mechanism and link lever thread take-up mechanism and full lubrication by pump. It's suitable for sewing leather, canvas and other heavy weight materials, such as suitcase, car seat, tent, sofa, etc.

2. Main specifications

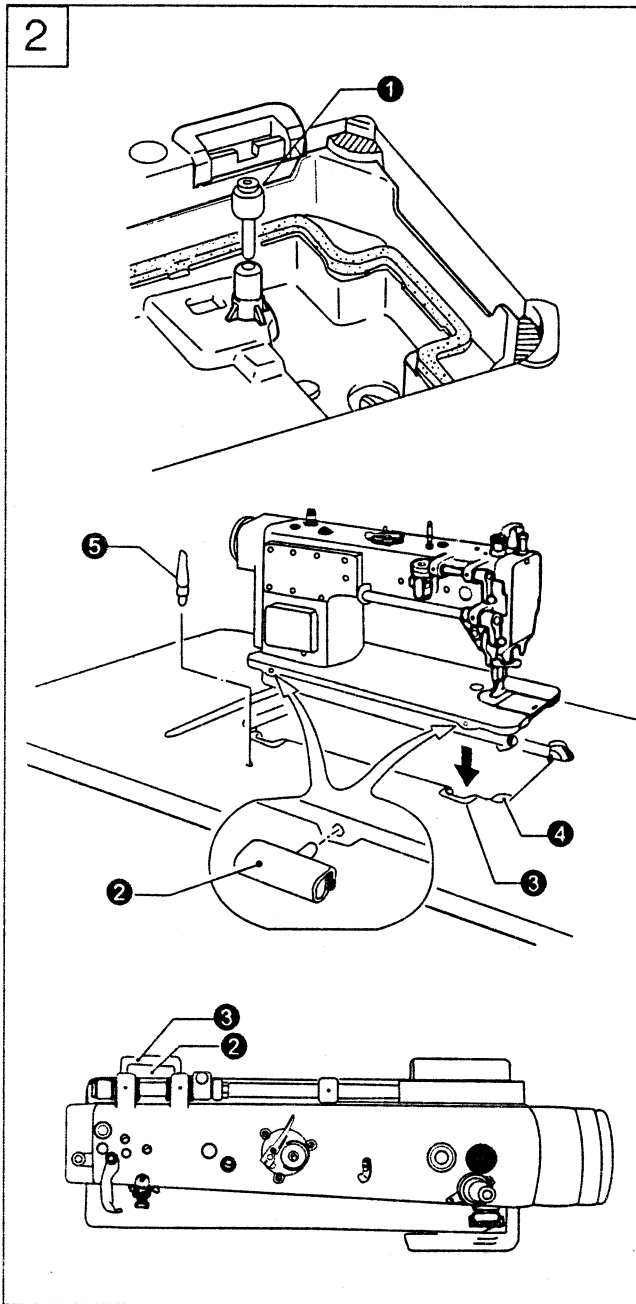
Applications	Medium & heavy weight materials	
Max sewing speed	1800 s.p.m	
Max stitch length	7mm	
Needle bar stroke	37mm	
Lifting amount of presser feet	3.5–5.5mm	
Needle	DP×17 23#	
Presser foot lifting height	By hand	7mm
	By knee	15mm
Hook	Large lubrication hook	
Lubrication	Automatic lubrication	
Motor output	750W	

3. Installing the oil pan and safety switch magnet (Fig.1)

1. Insert the two head cushion② into the front corners of the oil pan ①;
2. Insert the two head cushion③ into the back corners of the oil pan ①;
3. Place the oil pan④ into the cutouts of table;
4. Insert the two rubber cushion⑤ into the notches of table.
5. Insert the safety switch magnet⑥ into the hole of the table near oil pan cutout.



2



4. Installing the machine head (Fig.2)

1.Insert the knee lifter lifting bar ①.

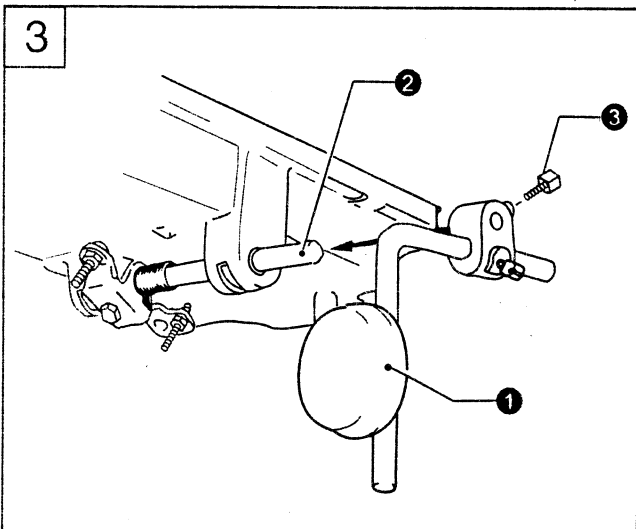
2.Insert the two hinges ② into the holes in the machine bed.

3.Clamp the two hinges onto the rubber cushions ③ in the work table, and the place the machine head onto the head cushions ④ which are on the top of the oil pan corners.

4.Tap the rest bar ⑤ into the table hole.

NOTE: Tap the rest bar securely into the table hole, if not, the machine head will not be safe when it is tilted back.

3

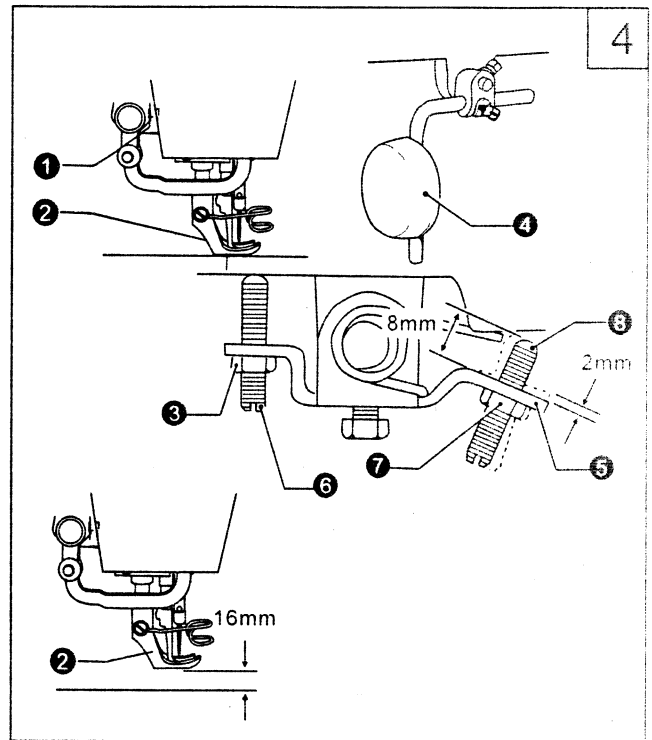


5. Installing the knee lifter assy. (Fig.3)

Insert the knee lifter assy. ① into the shaft ② under the oil pan, and slightly tight the screw ③.

6. Adjusting knee lifter(Fig.4)

1. Lower the presser foot ② by turning the presser foot bar lifter ①.
2. Loosen the nut ③.
3. Turn the screw ⑥ to adjust the bracket ⑤ to 2mm play.
4. Securely tighten the nut ③.
5. Loosen the nut ⑦.
6. Turn the screw ⑧ until the distance between the end of the screw and bracket is approximately 8mm.
7. Turn the adjusting screw ⑧ to adjust, so that the presser foot is at the desired position within a distance of 16mm above the needle plate when the knee lifter plate ⑦ is fully pressed.
8. After adjustment, tighten the nut



7. Lubrication(Fig.5)

1. Oil amount

Please fill the oil according to the mark indicated on the oil pan. Mark (A) means the highest position. Mark (B) means the lowest position. If the oil amount is lower than the Mark (B), oil will not be pumped and machine will be jammed.

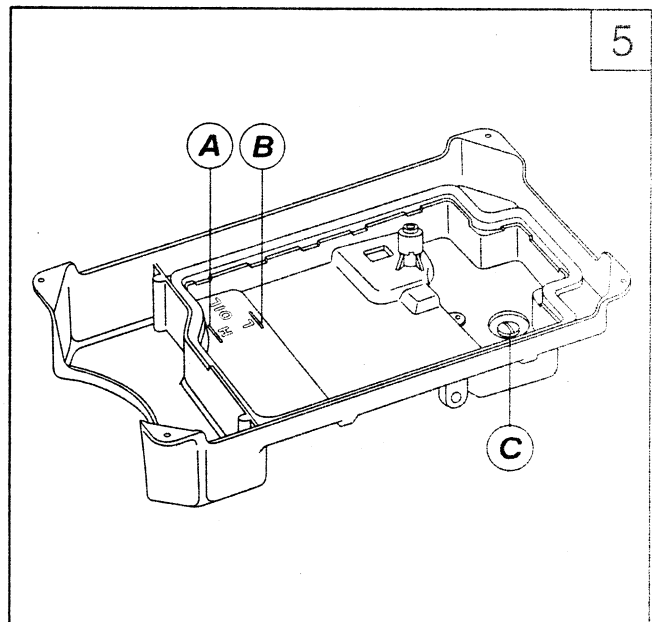
2. Fill the oil

Please fill the 18# sewing oil into the oil pan until to the Mark (A)

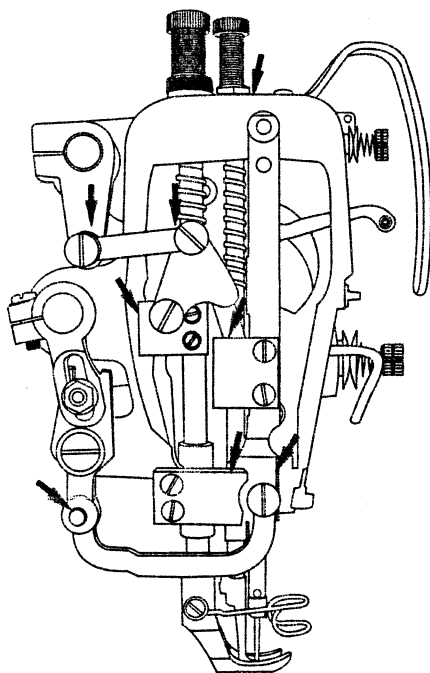
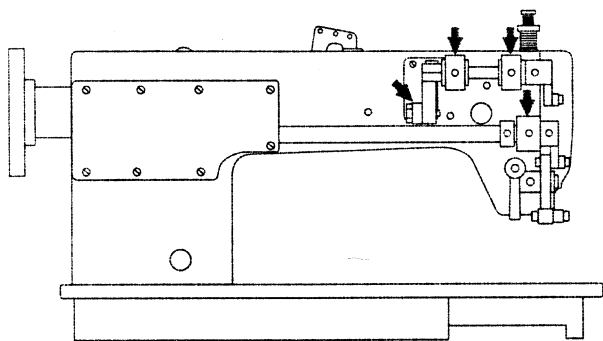
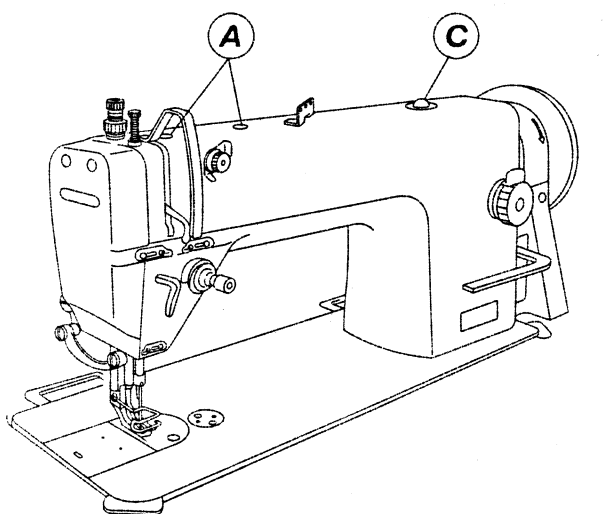
3. Change the oil

1 Uninstall the screw (C), and drain out the used oil

2 Clean the oil pan, and tighten the screw (C), fill the fresh oil again according the requirement.



6



8. Test operation(Fig.6)

Carry out the test operation when start up a new sewing machine for the first time, or restart after a long period of non-use.

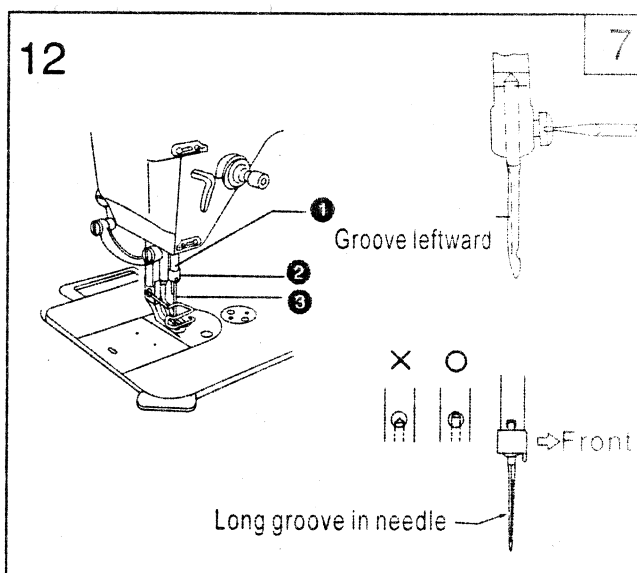
Remove the rubber cap (A) on the top of the arm and face plate, fully lubricate the parts showed by the arrows.

Install the face plate again, lift the presser foot and operate the machine at a lower speed of 1000-1500spm, and observe the oil running through the oil gauge window.

After one month, then the speed can be increased according to the different sewing operation.

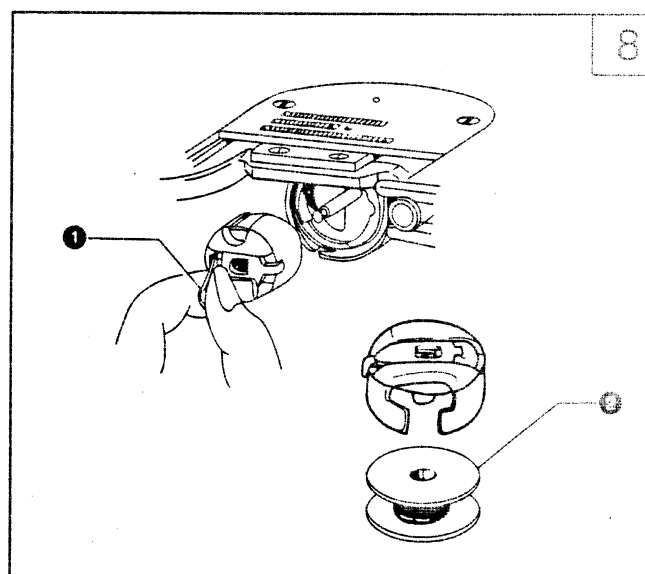
9. Installing the needle (Fig.7)

1. Turn the machine pulley to move the needle bar ① to its highest position;
2. Loosen the screw ②.
3. Insert the needle ③ in a straight line as far as it will go, making sure that the long groove on the needle is at the left, and then securely tighten the screw ②.



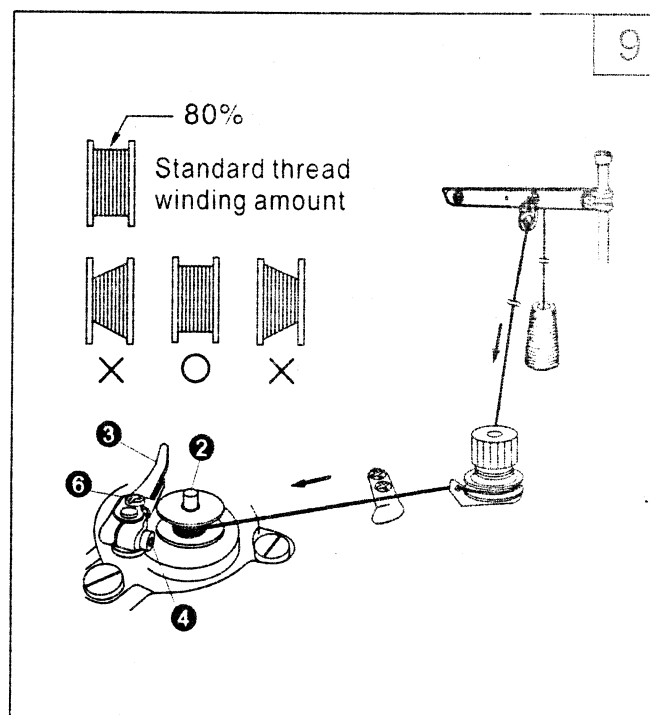
10. Removing the bobbin case (Fig.8)

1. Turn the machine pulley to lift the needle bar to its highest position. Pull the latch ① of the bobbin case upward and then put the bobbin into the bobbin case, finally insert the complete bobbin case with bobbin into the hook shaft.
2. To remove the bobbin case, pull the latch and draw the bobbin case out of the hook.

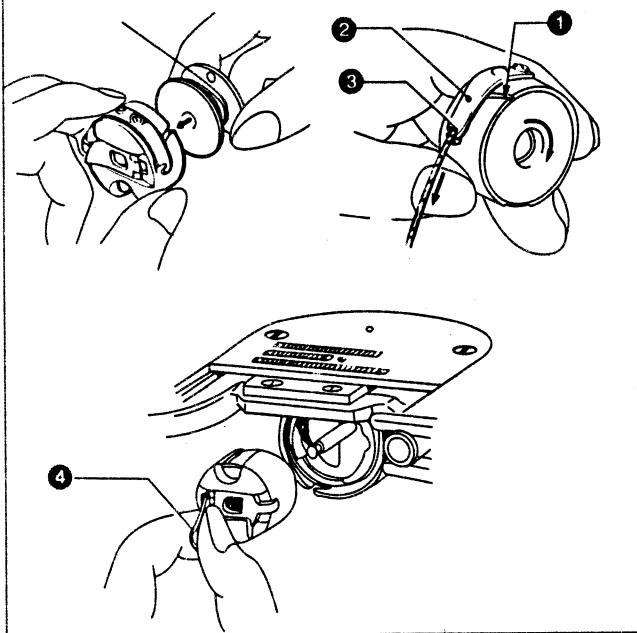


11. Winding the bobbin thread (Fig.9)

1. Turn the power on;
 2. Place the bobbin ① onto the bobbin winder shaft ②;
 3. Wind the thread several circles around the bobbin in the direction indicated by arrow;
 4. Push down the bobbin presser arm ③;
 5. Lift the presser foot;
 6. Depress the treadle, the winding operation will start;
 7. Once finished, the bobbin presser arm ③ will recover automatically.
- * If the thread winding is not neat and even, loosen the screw ④ to adjust the position of bobbin winder base.
- * Turn the screw ⑥ to adjust the bobbin winding amount
- Tighten the screw to increase the winding amount;
 - Loosen the screw to decrease the winding amount.
- Note:**
The proper winding amount should be around 80% of the bobbin capacity.



10



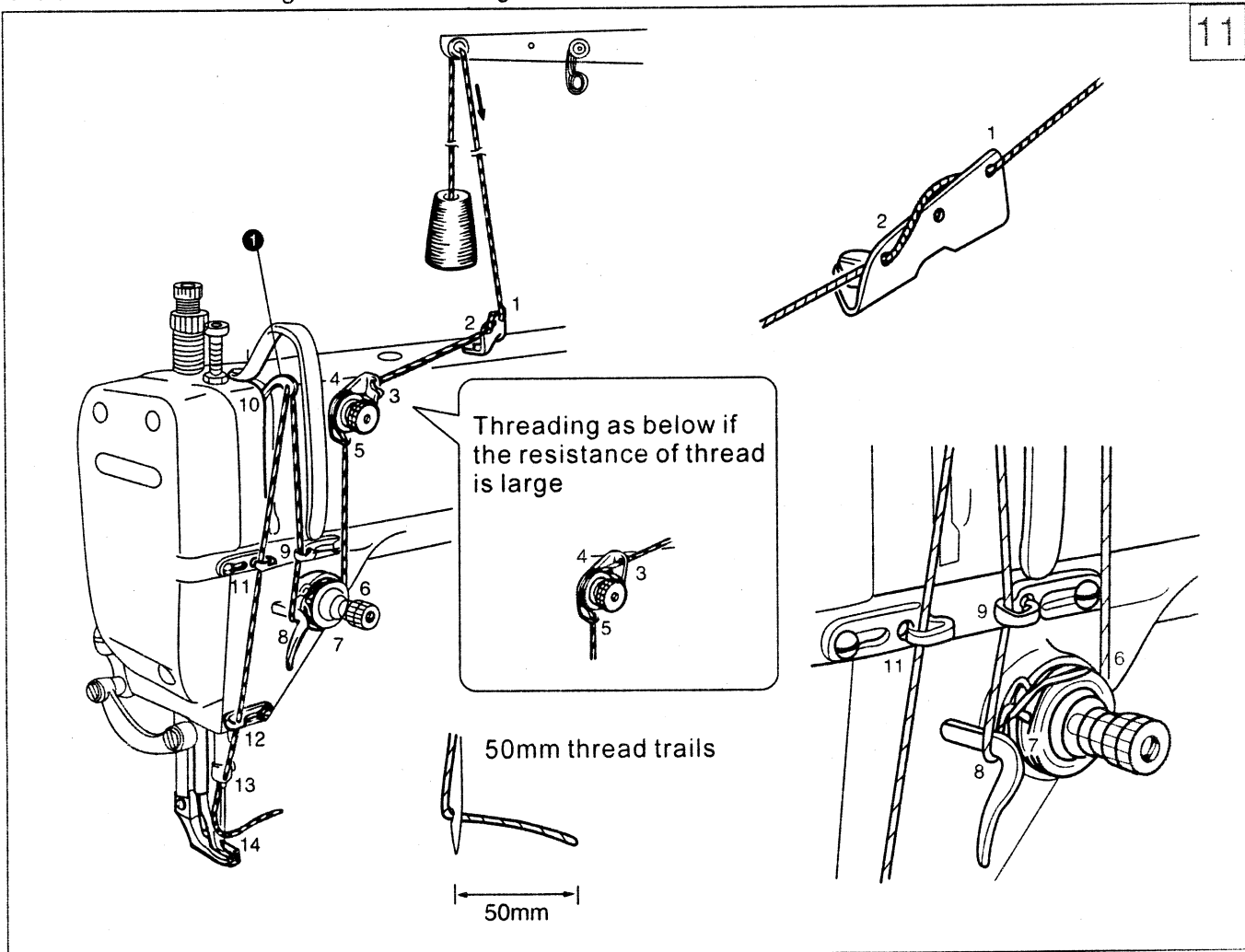
12. Threading the bobbin thread (Fig. 10)

1. Turn the machine pulley to lift the needle to its highest position;
2. The bobbin thread should be right twist, place the bobbin into the bobbin case;
3. Pass the thread through the slot ① and spring plate ②, and finally pull it out of the notch ③;
4. Check that the bobbin should turn clockwise if the thread is pulled;
5. Hold the latch ④, and place the bobbin case in the hook.

13. Threading the needle thread (Fig. 11)

Raise the thread take-up lever to its highest position. This will make threading easier and will prevent the thread from coming out at the sewing start.

11

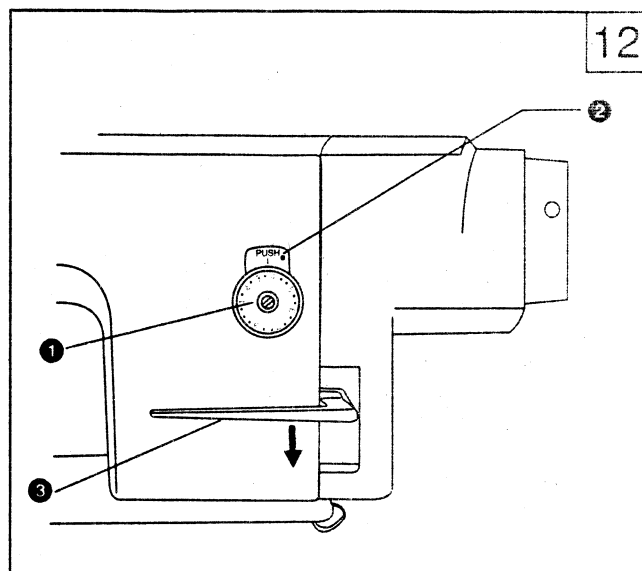


14. Adjusting the stitch length (Fig.12)

While press the stopper ②, turn the stitch length dial ① to make the number on the dial align with the mark on the stopper ②. The number is the stitch length in mm.

★ The larger the number, the longer the stitch length will be.

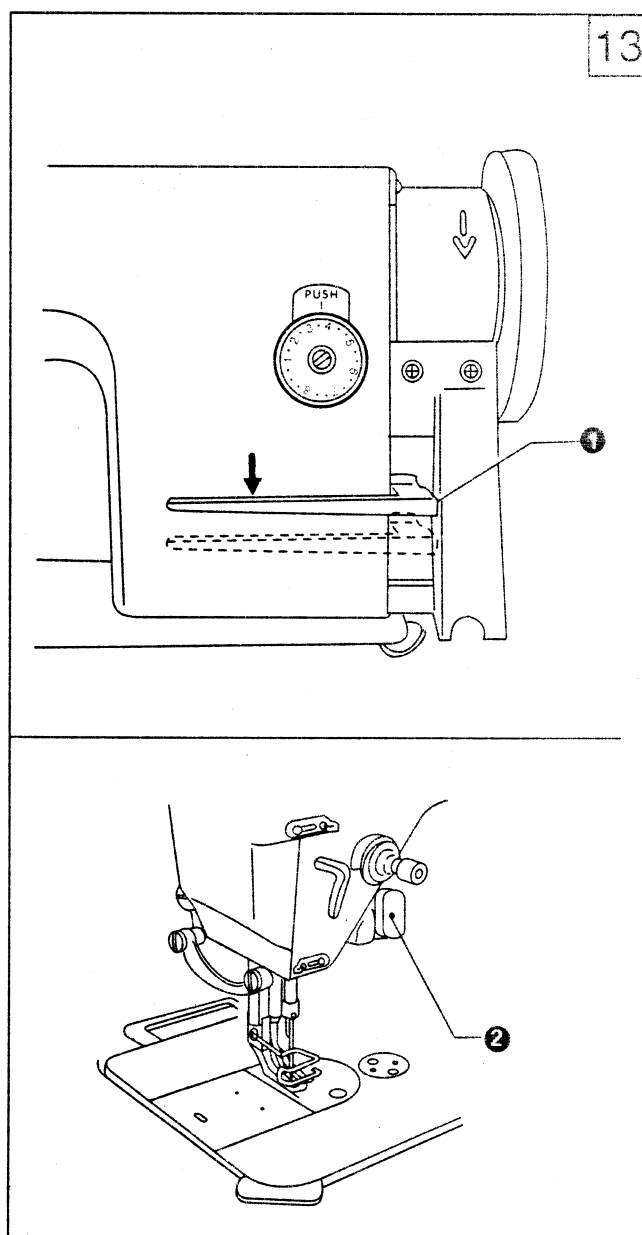
★ When turn the dial from a larger setting to a smaller setting, it will be easy to turn if the reverse lever ③ is pressed down.



15. Sewing and backtacking (Fig.13)

1. Turn the power on;
2. Depress the treadle to start sewing.

When the reverse lever ① is pressed or the backtacking button is on during sewing, the feed will be reversed. After release, the feed will recover to normal.



16. Adjusting the thread tension (Fig.14)

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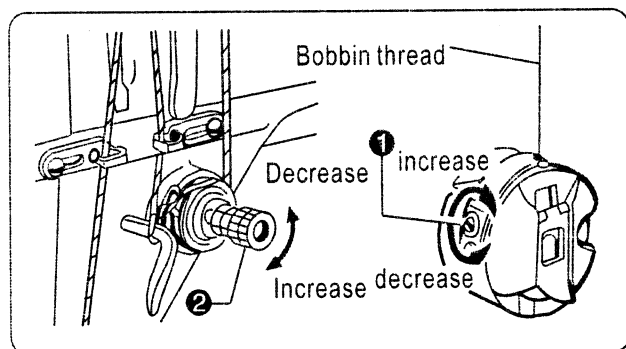
Normal stitch



- increase the needle thread tension
- decrease the bobbin thread tension



- decrease the needle thread tension
- increase the bobbin thread tension



<Bobbin thread tension>

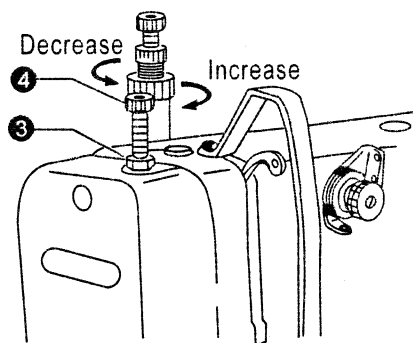
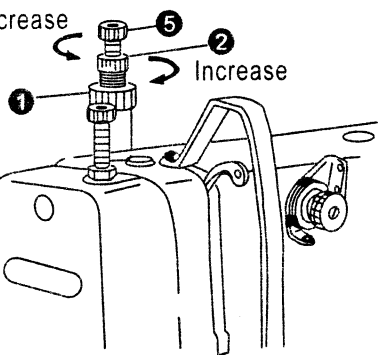
Adjust by turning the screw ① until the bobbin case drops gently by its own weight while the thread end coming out of the bobbin case is held.

<Needle thread tension>

After adjust the bobbin thread tension, adjust the needle thread tension so that a good, even stitch seam is obtained.

1. Lower the presser foot;
2. Adjust by turning the thread tension nut ②.

Decrease
Increase



17. Adjusting the presser foot pressure (Fig.15)

<Adjusting the presser foot pressure>

1. Loosen the lock nut ①;
2. Turn the adjusting screw ② to adjust the pressure of presser foot, if it's not enough, please turn the screw ⑤ to increase the pressure.

*The pressure should be as weak as possible, but strong enough so that the material doesn't slip.

3. Tighten the nut ①.

<Adjusting the walking foot presser>

4. Loosen the nut ③;
5. Turn the screw ④ clockwise to increase the pressure, on the contrary, turn the screw ⑥ counterclockwise to decrease the pressure;
6. Tighten the nut ③.

18. Adjusting the thread tension spring (Fig. 16)

The standard position of the thread tension spring ① is 5-8mm above the upper surface of the thread guide ③ when the presser foot ② is lowered.

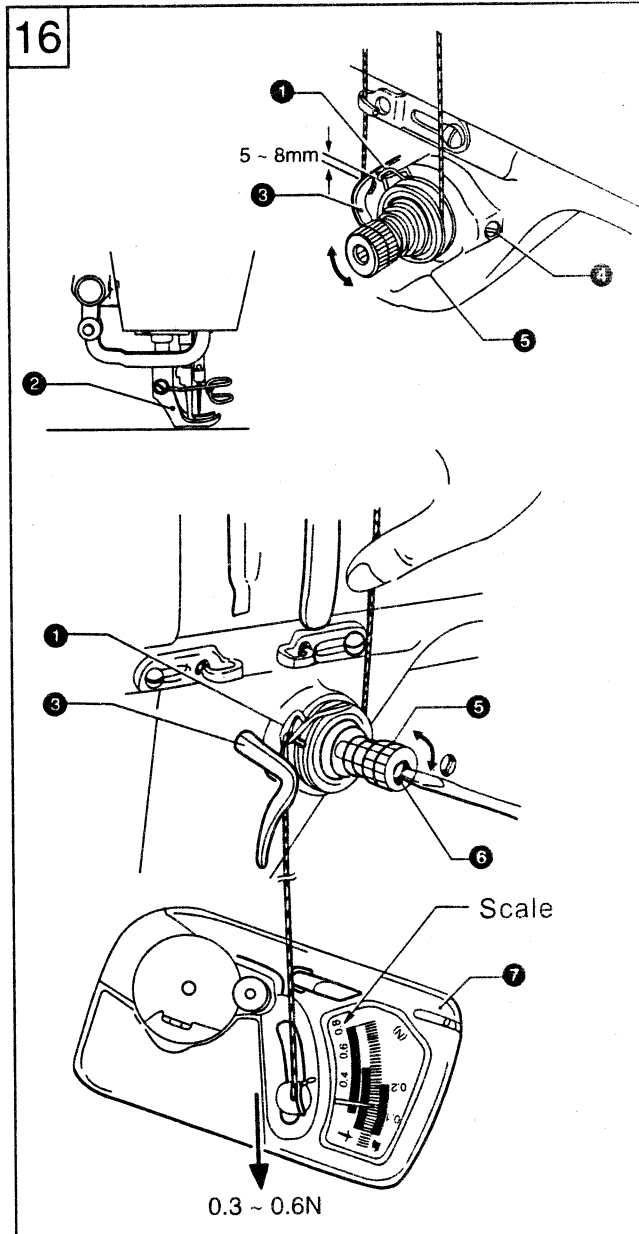
1. Lower the presser foot ②;
2. Loosen the screw ④;
3. Turn the thread tension bracket ⑤ to adjust the spring position;
4. Tighten the screw ④.

The standard tension of the spring is 0.3-0.6N.
5. Push the needle thread with your finger until it is slightly higher than the thread tension bracket ⑤ and so that the upper thread is not pulled out;
6. Pull the needle thread down until the spring ① is at the same height with the upper surface of thread guide ③, and then measure the tension of the spring.

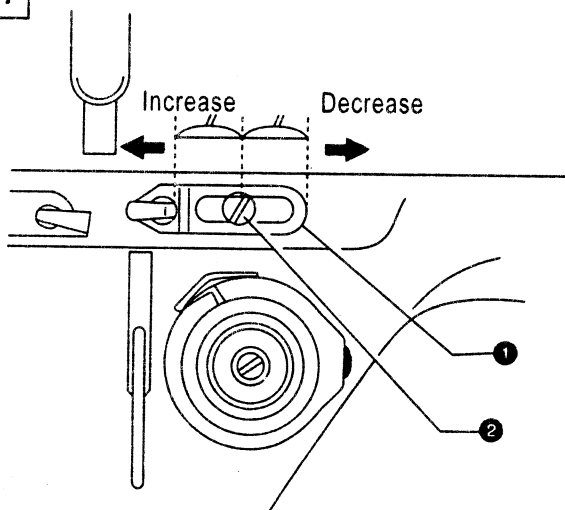
7. Insert a screwdriver into the slot of the thread tension stud ⑥, and turn the stud to adjust the tension of the spring ①.

Note:

If using a tension gauge ⑦ to measure the tension, take the reading from the scale on the side of the red line.



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19. Adjusting the upper thread guide (Fig. 17)

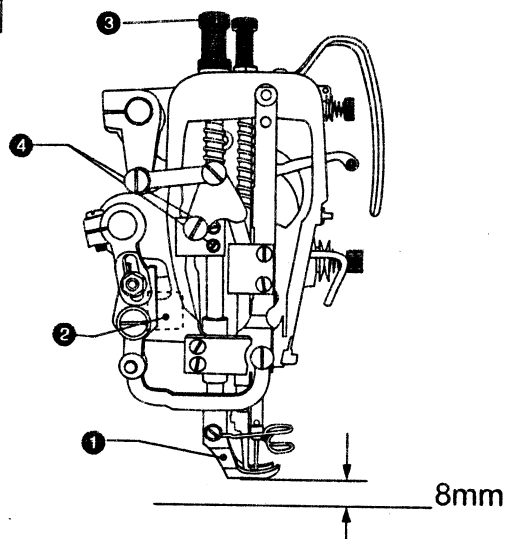
The standard position of upper thread guide ① is where the screw ② is in the center of the adjustable range of upper thread guide.

To adjust the position, loosen the screw ② and move the thread guide.

If stitch the heavy materials, move the thread guide leftward. (To increase the thread take-up tension)

If stitch the light materials, move the thread guide rightward. (To decrease the thread take-up tension)

18



20. Adjusting the presser foot height(Fig. 18)

The standard height of presser foot ① is 8mm when it is lifted by hand.

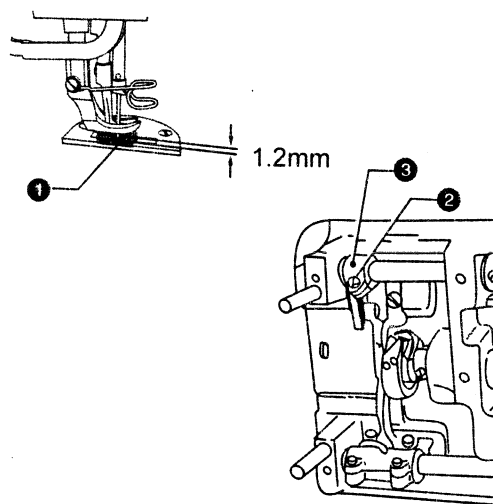
1. Loosen the screw ③ to lift the presser bar

2. Put a measurement gauge with 8mm height under the presser foot;

3. Loosen the screw ④ and adjust the height of presser foot;

4. Tighten the screw ④.

19



21. Adjusting the feed dog height (Fig. 19)

1. Set the stitch length maximum, when the feed dog ① is at its highest position above the needle plate, the standard height is 1.2mm

2. Loosen the screw ② and turn the feed lifting arm ③ to adjust the height of feed dog.

22. Adjusting the feed dog angle (Fig. 20)

The standard angle of the feed dog is: when the feed dog is at its highest position above the needle plate, the Mark on the feed bracket shaft is on the horizontal position.

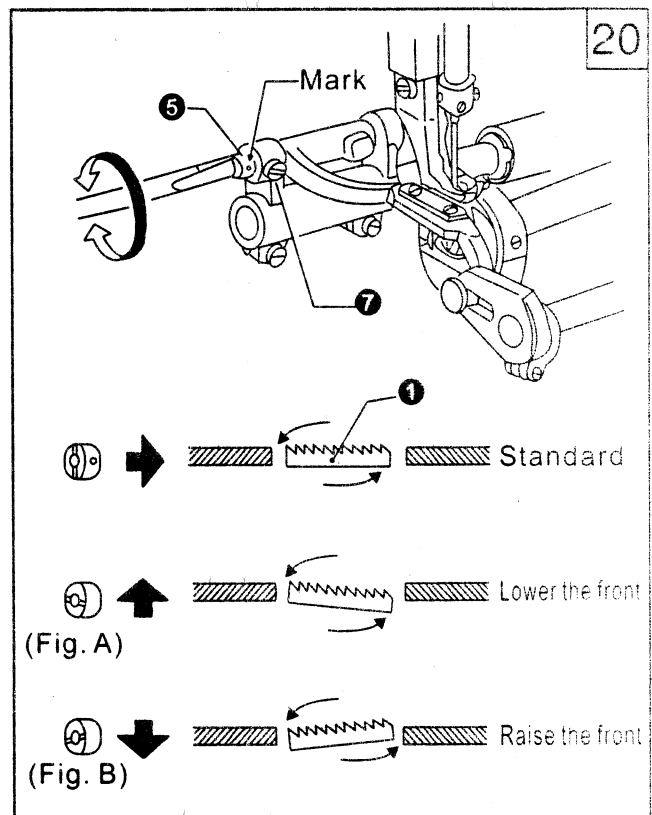
1. Turn the machine pulley to lift the feed dog to its highest position;
2. Loosen the screw ⑦;
3. Turn the feed bracket shaft in the direction of the arrow within a range of 90° with respect to the standard angle position.

★ In order to prevent puckering, lower the front of the feed dog (Fig. A)

★ In order to keep the materials straight, raise the front of the feed dog (Fig. B)

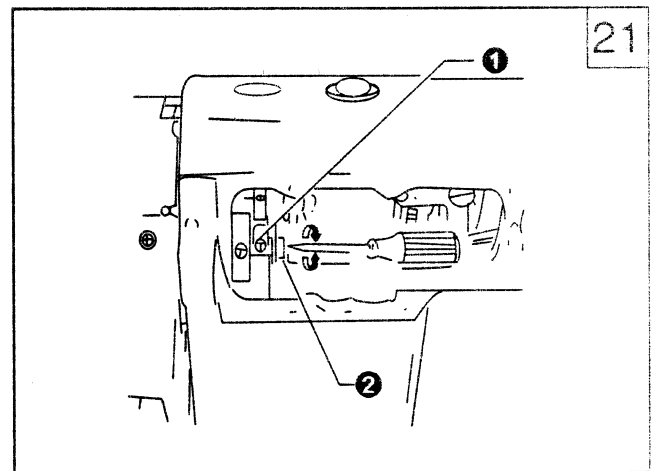
4. Securely tighten the set screw ⑦.

It's necessary to adjust the feed dog height again after this adjustment.



23. Adjusting the difference of stitch length between the forward and backtacking (Fig. 21)

1. Remove the back cover;
 2. Loosen the screw ① and turn the connecting stud ②
- ★ Turn the stud ② clockwise, the forward stitch length will be longer and the backtacking stitch length will be shorter;
- ★ Turn the stud ② counterclockwise, the forward stitch length will be shorter and the backtacking stitch length will be longer;
3. Tighten the screw ①.



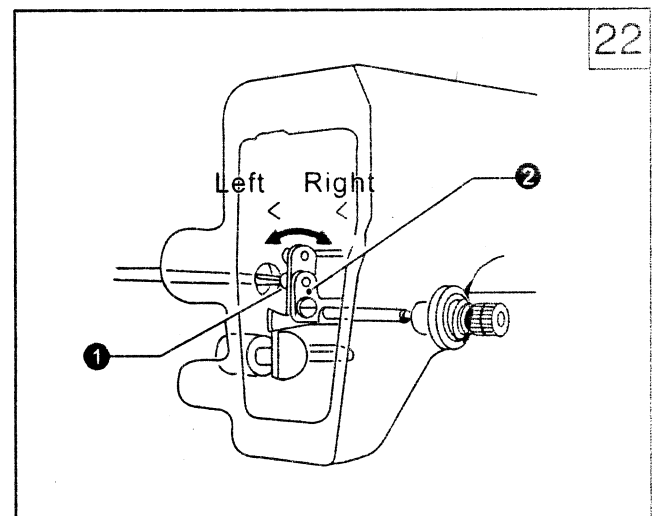
24. Adjusting the tension release (Fig. 22)

The opening time of the thread tension discs can be adjusted.

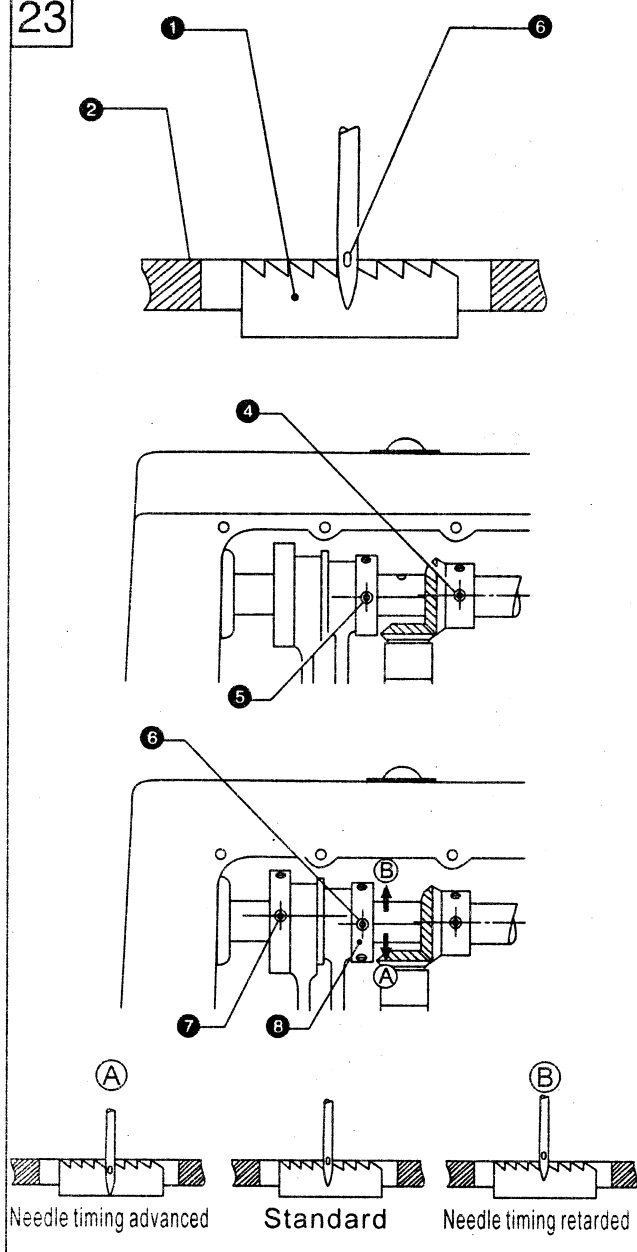
Remove the rubber cap on the rear of arm, and turn the screw ①, then the thread release cam ② can be moved left or right.

Move the cam rightward, the release time will be slow

Move the cam leftward, the release time will be quick.



23

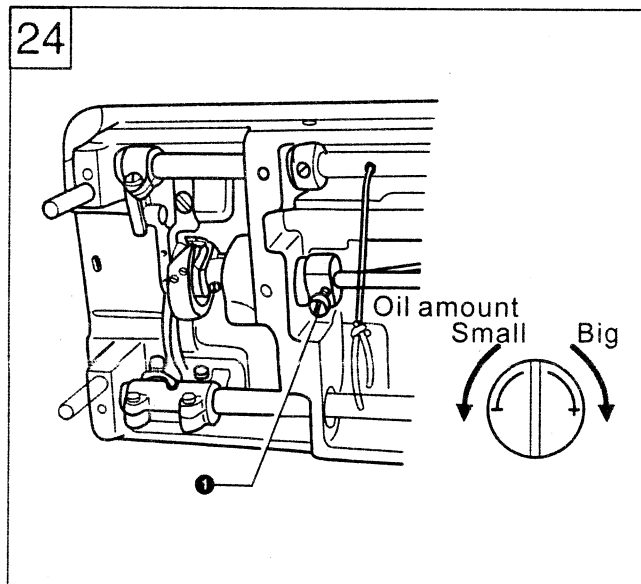


25. Adjusting the timing of needle and feed mechanism (Fig. 23)

The standard timing is when the feed dog is lowered from its highest position until it is flush with the top of the needle plate ②, and the needle eye ③ is also aligned horizontally with the surface. Adjust by changing the phases of feed cam and eccentric wheel UD

1. Remove the rear cover
2. Turn the machine pulley in reverse direction, set the second screw ④ on the gear of upper shaft as reference mark, make the third screw ⑤ of eccentric wheel UD slightly lower than the reference mark screw ④;
3. Continue to turn the machine pulley, set the second screw ⑥ of eccentric wheel UD as reference mark, make the third screw ⑦ of feed cam slightly higher than the reference mark screw ⑥.
4. If need a non-timing position, loosen the three screws of eccentric wheel UD, adjust the eccentric cam ⑧ in the direction of arrow (A) or (B). To increase the tension of thread, turn the eccentric cam ⑧ to direction (A). To avoid the needle bent, turn the eccentric cam ⑧ to direction (B).
5. After adjustment, tighten all of the screws.

24



26. Adjusting the rotary hook lubrication amount (Fig. 24)

Tilt back the machine head, and turn the oil adjustment screw ① to adjust the hook oiling amount.

27. Adjusting the height of needle bar and the timing with hook (Fig. 25)

When the needle bar ① is at its lowest position, the top reference line ① on the needle bar should be aligned with the bottom edge of the needle bar bush ②.

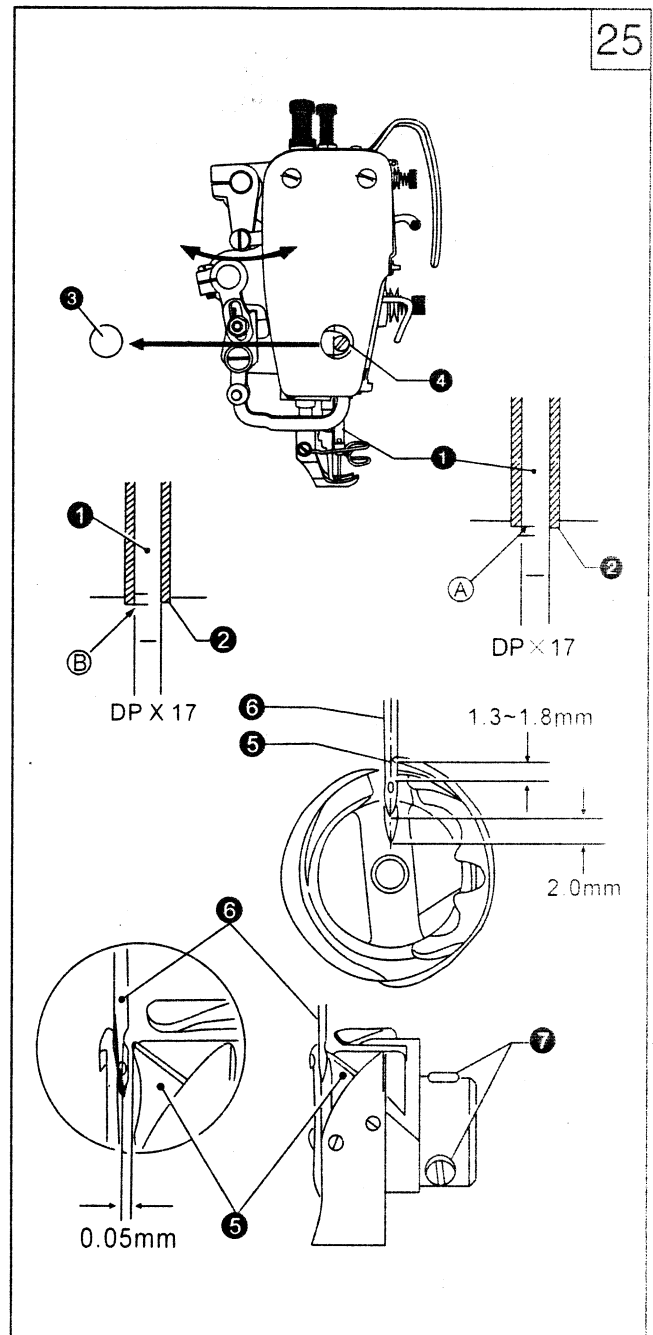
1. Turn the machine pulley to lower the needle bar to its lowest position;
2. Take out the rubber cap ③;
3. Loosen the screw ④, and move the needle bar ① to proper position;
4. Tighten the screw ④;
5. Close the rubber cap ③.

Lift the needle bar ① from the lowest position, when the second reference line ② on the needle bar is aligned with the bottom edge of the needle bar bush ②, the tip ⑤ of the hook should be aimed at the center of needle ⑥.

1. Turn the machine pulley to raise the needle bar ① from its lowest position until the reference line ② is aligned with the bottom edge of the needle bar bush ②.

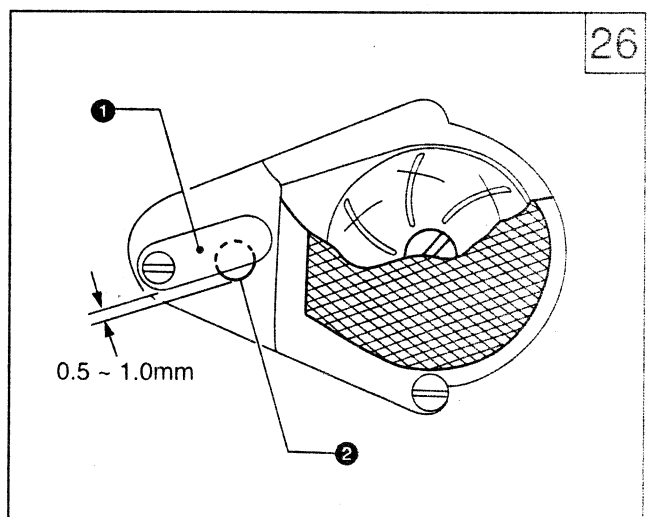
* When the needle bar moves up 2mm, the clearance between the upper of needle hole and the hook tip should be 1.3-1.8mm

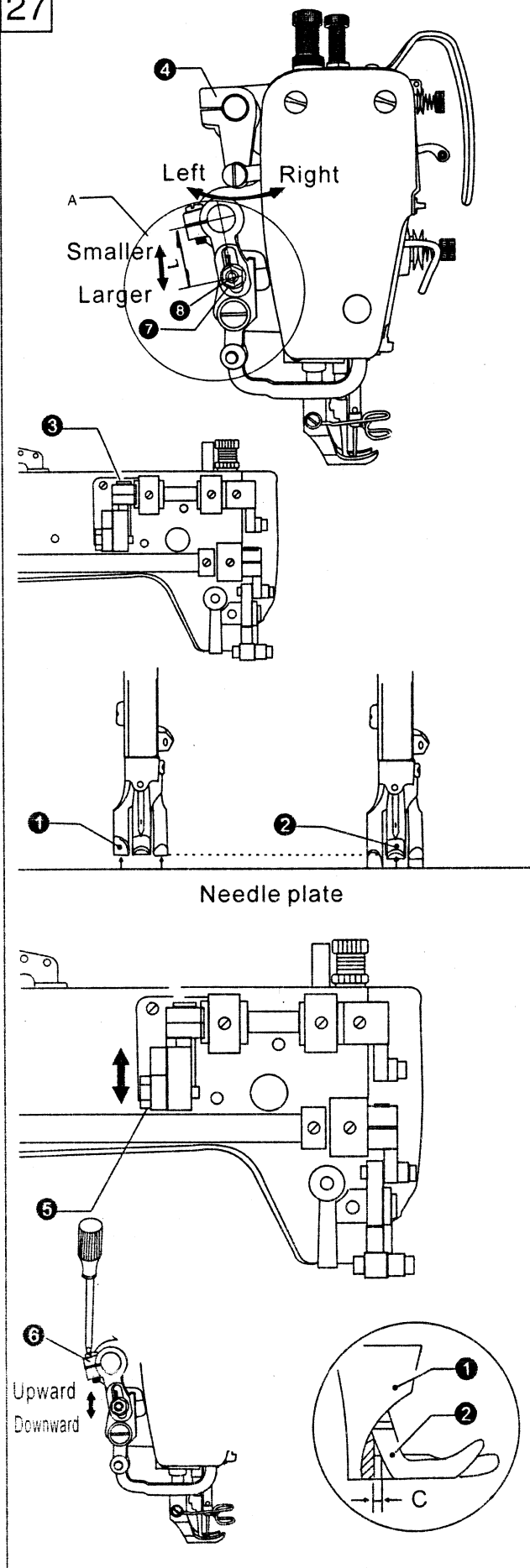
2. Loosen the screw ⑦, and make the hook tip aimed at the center of needle ⑥, the clearance between the hook tip and needle should be 0.05mm
3. Tighten the screw ⑦.



28. Adjusting the oil pump (Fig. 26)

If the oil is not circled observed from the oil gauge window at a lower sewing speed, turn the oil adjustment plate ① to cover the oil hole.





29. Adjusting the lifting amount of presser foot (Fig. 27)

1. Vertical movement of presser foot and walking foot

★The presser foot ① and walking foot ② move vertically one after another

★Usually the stroke of walking foot and presser foot is same or the stroke of walking foot is slightly lower. Place the thread take-up lever at the lowest position, and lower the presser bar lifter, loosen the screw ③ and move the upper feed lifting cam ④.

Move it rightward to make the stroke of two feet be equal

Move it leftward to make the stroke of presser foot be smaller.

2. Adjusting the lifting amount of presser feet

Adjust the lifting amount of two feet to match the materials to be sewn.

Loosen the screw ⑤, and move the screw upward to increase the lifting amount or move the screw downward to decrease the lifting amount.

3. Adjusting the forward/backward clearance of the two feet

To keep the front groove of presser foot not strike the rear of the walking foot, the clearance of C must be kept about 3mm.

Loosen the screw of feed arm R, and then turn the feed rock shaft ⑥ to adjust.

4. Adjusting the feed amount of walking foot (Fig. A)

★The standard ration of feed amount between feed dog and walking foot is 1:1

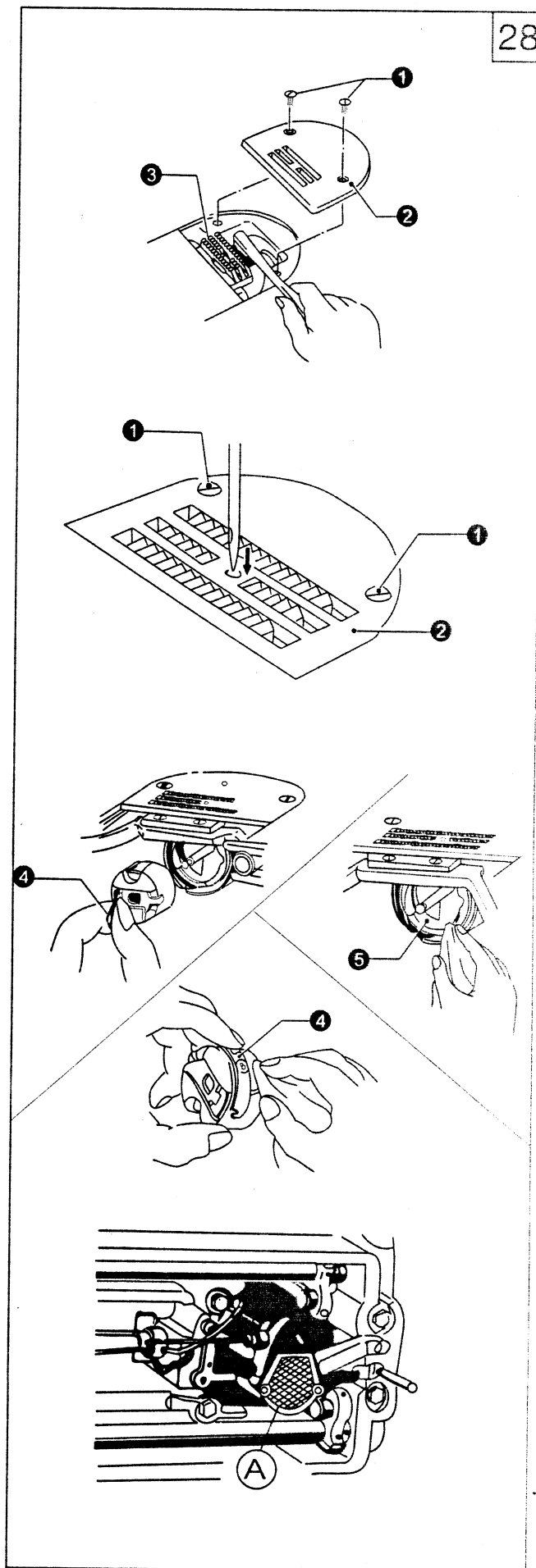
The feed amount of walking foot can be adjusted to suit for the materials to be sewn.

Loosen the nut ⑦, and move the slide block ⑧
Upward: decrease the distance L to make the feed amount be smaller

Downward: increase the distance L to make the feed amount be larger

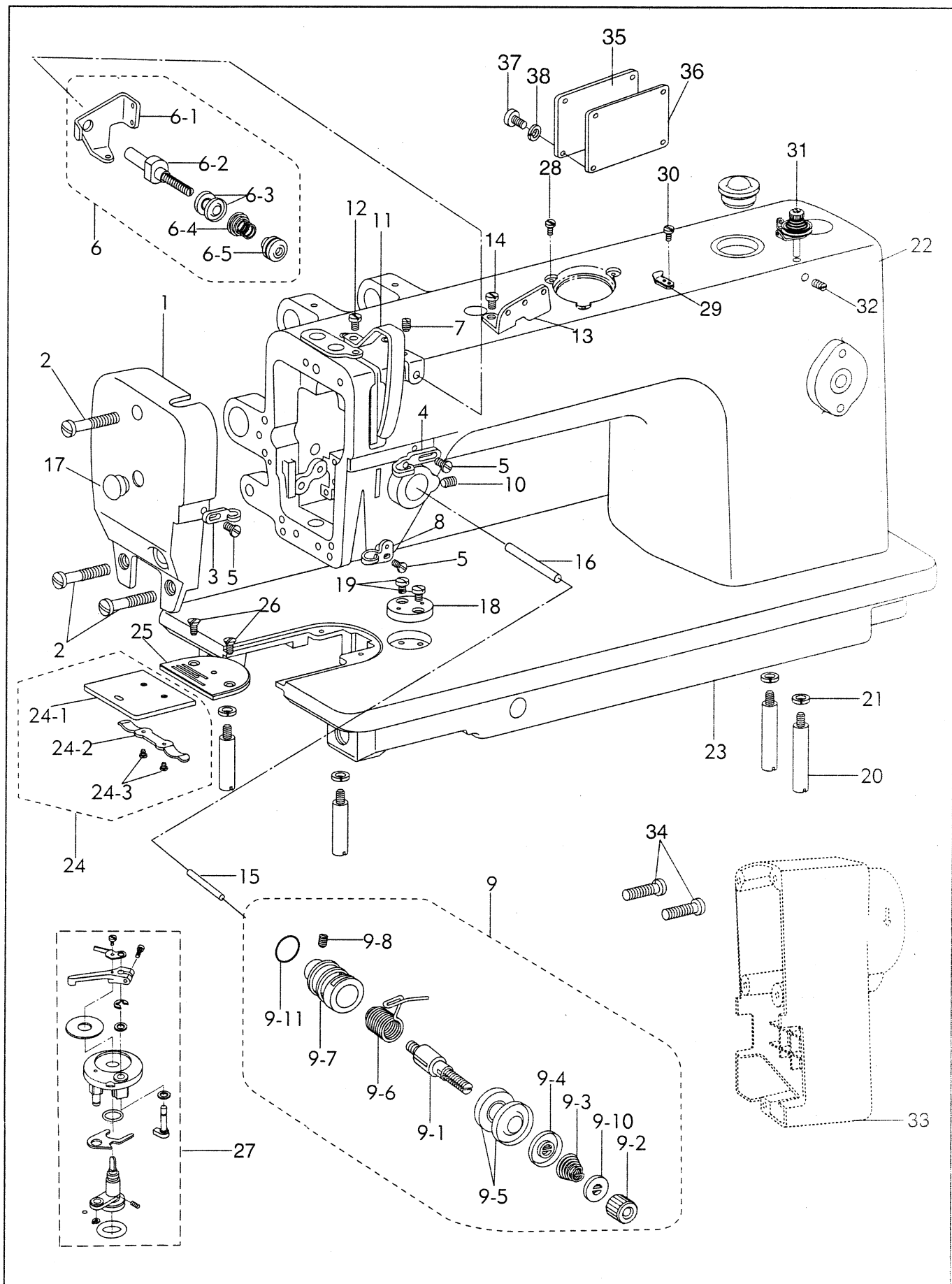
30.Clean (Fig. 28)

- 1.Raise the presser foot;
 - 2.Remove the two screws ① and needle plate ②;
 - 3.Clean the feed dog with a soft brush;
 - 4.Install the needle plate ② by two screws ①.
-
- 5.Turn the machine pulley slowly and check if the needle drops into the hole center of needle plate
 - ★If not
 - Check if the needle is bent
 - Loosen the screw ①, and reinstall the needle plate ②
 - 6.Turn the machine pulley and lift the needle above the needle plate, check if the needle tip is blunt, if yes, change a new one.
 - 7.Tilt back the machine head
 - 8.Remove the bobbin case ④
 - 9.Clean the hook with a soft cloth and check if the hook is worn out
 - 10.Take out the bobbin from the bobbin case, and clean the bobbin case with a soft cloth
 - 11.Insert the bobbin into the bobbin case and place the bobbin case back into the machine
-
- 12.Clean the dust on the filter ① of oil pump.



Parts Manual

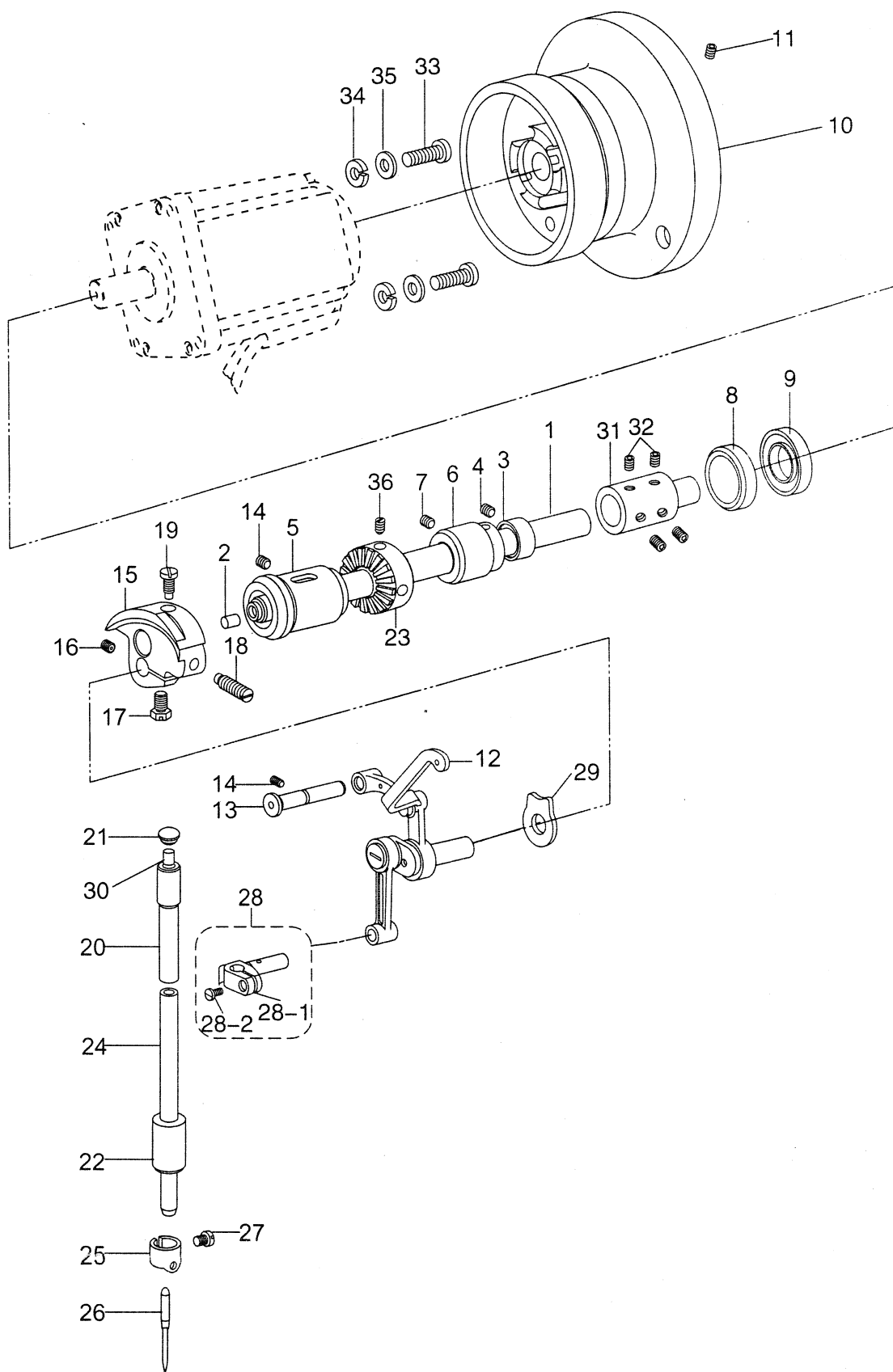
1. Casting mechanism



1. Casting Mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1001	Face plate	1	
2	100-1002	Screw	2	
3	100-1003	Thread guide	1	
4	100-1004	Thread guide	1	
5	100-1005	Screw	3	
6	100-1006	Thread guide assy.	1	
6-1	100-1007	Thread guide	1	
6-2	100-1008	Pre-tension stud	1	
6-3	100-1009	Tension disc	2	
6-4	100-1010	Tension spring	1	
6-5	100-1011	Adjusting screw	1	
7	100-1012	Set screw	1	
8	100-1013	Thread guide	1	
9	100-1014	Thread tension bracket assy.	1	
9-1	100-1015	Tension stud	1	
9-2	100-1016	Tension nut	1	
9-3	100-1017	Tension spring	1	
9-4	100-1018	Disc presser	1	
9-5	100-1019	Disc, tension	2	
9-6	100-1020	Thread take-up spring	1	
9-7	100-1021	Thread tension bracket	1	
9-8	100-1022	Set screw	1	
9-10	100-1023	Stopper	1	
9-11	100-1024	O ring	1	
10	100-1025	Set screw	1	
11	100-1026	Cover	1	
12	100-1027	Screw	1	
13	100-1028	Thread retainer	1	
14	100-1029	Screw	1	
15	100-1030	Tension release pin	1	
16	100-1031	Tension release stud	1	GB93 6
17	100-1032	Rubber plug	1	
18	100-1033	Ruler plate	1	
19	100-1034	Screw	2	
20	100-1035	Bed leg	4	
21	100-1036	Washer, spring	4	
22	100-1037	Arm	1	
23	100-1038	Bed	1	
24	100-1039	Slide plate assy.	1	
24-1	100-1040	Slide plate	1	
24-2	100-1041	Spring plate	1	
24-3	100-1042	Screw	2	
25	100-1043	Needle plate	1	
26	100-1044	Screw	2	
27	100-1045	Bobbin thread winder assy.	1	
28	400-1244	Screw	3	
29	100-1046	Cutter	1	
30	100-1047	Screw	2	
31	100-1048	Bobbin thread tension assy.	1	
32	100-1049	Screw	1	
33	100-1050	Motor cover	1	GB/818 M5X25
34	100-1051	Screw	5	
35	100-1052	Back cover	1	
36	100-1053	Seal	1	
37	100-1054	Screw	4	
38	200-1377	Washer	4	

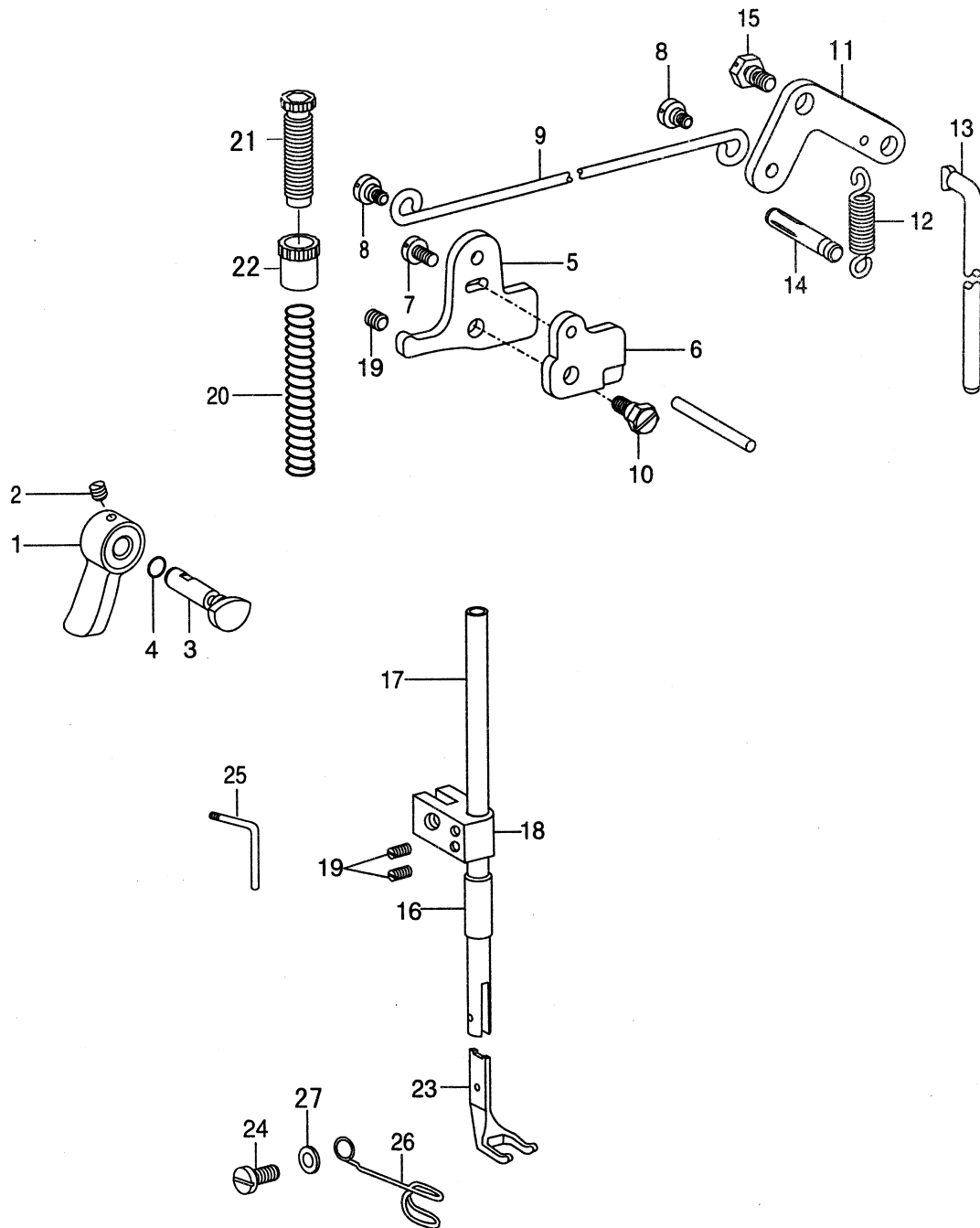
2. Needle bar and thread take-up mechanism



2. Needle bar and thread take-up mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1055	Upper shaft	1	
2	100-1056	Robber cap	1	
3	100-1057	Collar	1	
4	400-1105	Screw	2	
5	100-1058	Bush, L	1	
6	100-1059	Bush, M	1	φ20xφ42x12
7	100-1060	Set screw	1	
8	100-1061	Bearing, R	1	
9	100-1062	Oil seal	1	
10	100-1063	Hand wheel	1	
11	100-1064	Screw	2	
12	100-1065	Thread take-up lever set	1	
13	100-1066	Support shaft	1	
14	100-1067	Set screw	2	
15	100-1068	Thread take-up crank	1	
16	100-1069	Screw	1	
17	400-1203	Screw	1	
18	100-1070	Screw	1	
19	100-1071	Screw	1	
20	100-1072	Bush, needle bar, upper	1	
21	100-1073	Robber cap	1	
22	100-1074	Bush, needle bar, lower	1	
23	100-1075	Friction wheel	1	
24	100-1076	Needle bar	1	
25	100-1077	Thread guide	1	
26	100-1078	Needle	1	135X17#23
27	200-1166	Set screw	1	
28	100-1079	Needle bar clamp assy.	1	
28-1	100-1080	Needle bar clamp	1	
28-2	100-1081	Set screw	1	
29	100-1082	Washer	1	
30	100-1083	Felt	1	
31	100-1084	Shaft coupling	1	
32	100-1085	Screw	4	
33	100-1086	Screw	4	
34	100-1087	Spring washer	4	GB/T65 M5X20 GB/T859 5 GB/T95 5
35	100-1088	Washer	4	
36	100-1089	Screw	2	

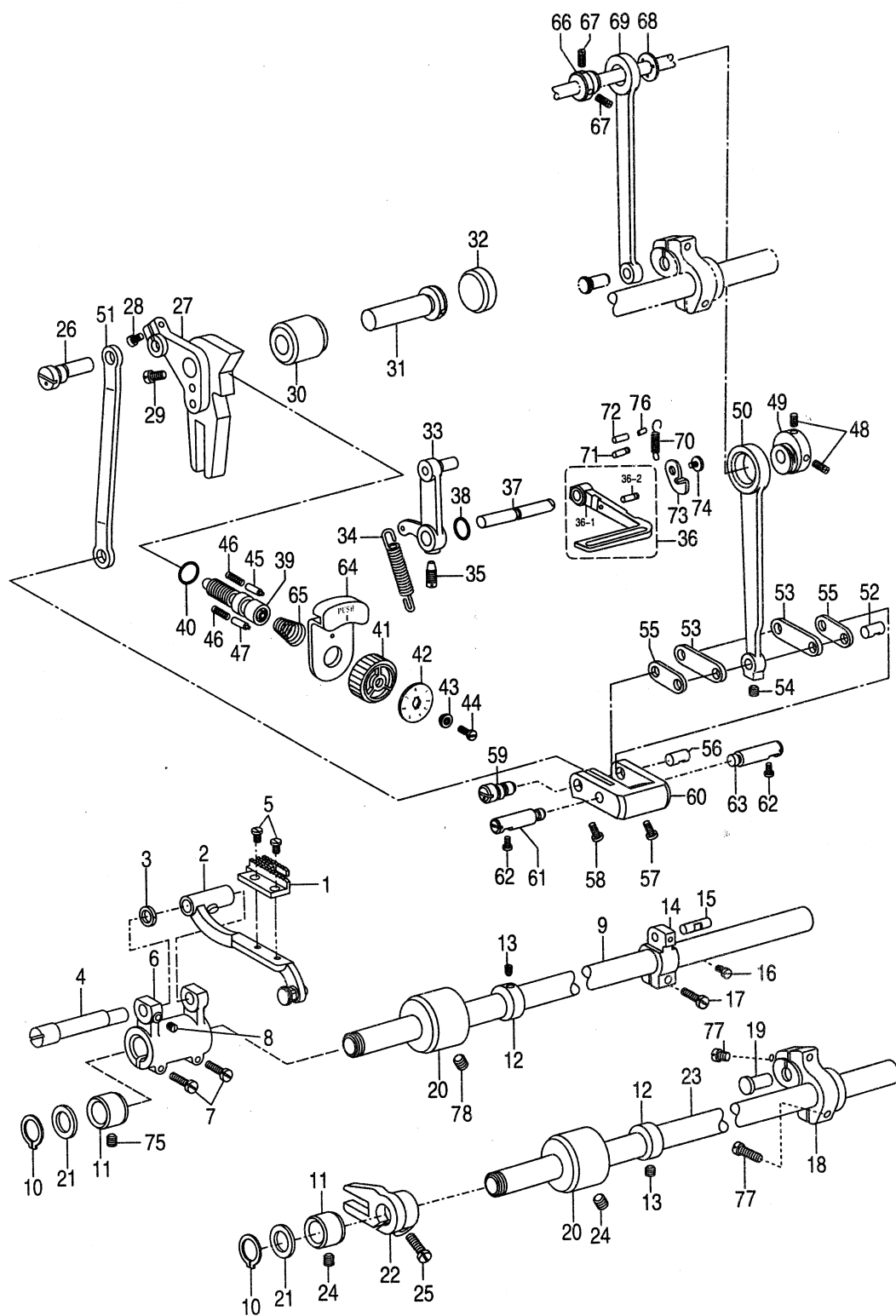
3. Presser foot mechanism



3. Presser foot mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1090	Presser bar lifter	1	GB3452.1 4.5X1.8G
2	100-1091	Screw	1	
3	100-1092	Lifter crank	1	
4	100-1093	O ring	1	
5	100-1094	Lifter lever	1	
6	100-1095	Guide plate	1	
7	100-1096	Screw	1	
8	100-1097	Screw	2	
9	100-1098	Collecting rod	1	
10	100-1099	Screw	1	
11	100-1100	Lever	1	
12	100-1101	Spring, extension	1	
13	100-1102	Knee lifter bar	1	
14	100-1103	Spring hook	1	
15	100-1104	Shoulder screw	1	
16	100-1105	Bush	1	
17	100-1106	Presser bar	1	
18	100-1107	Guide bracket	1	
19	100-1060	Screw	2	
20	100-1108	Spring, compression	1	
21	100-1109	Adjusting screw, presser	1	
22	100-1110	Adjusting nut, presser	1	
23	100-1111	Presser foot, inside	1	
24	100-1112	Screw	1	
25	100-1113	Thread guide	1	
26	100-1114	Finger guard	1	
27	100-1115	Washer	1	

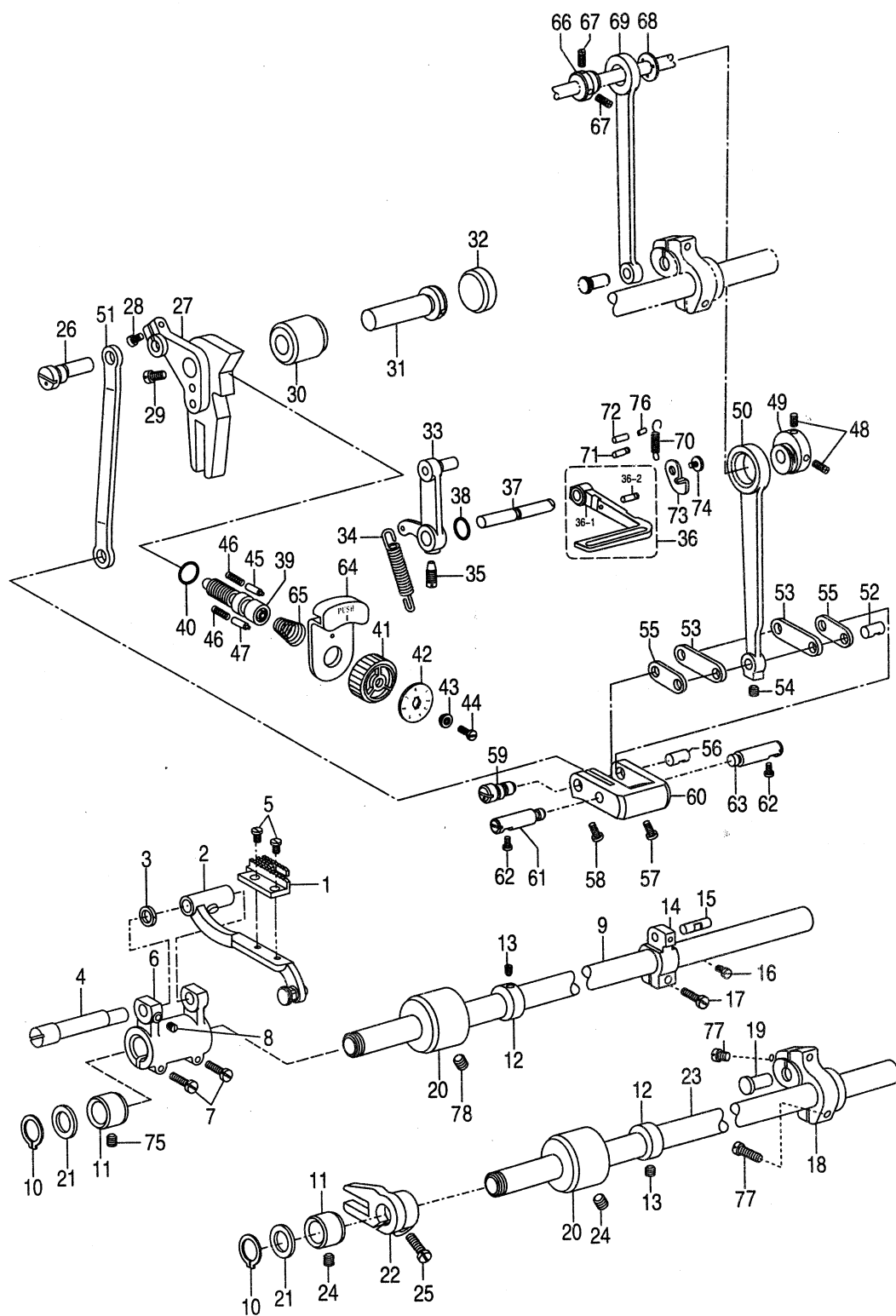
4. Feed mechanism



4. Feed mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1116	Feed dog	1	
2	100-1117	Feed bar	1	
3	100-1118	Washer	1	
4	100-1119	Shaft	1	
5	100-1120	Screw	2	
6	100-1121	Feed rock arm	1	GB894.1 15
7	100-1122	Screw	2	
8	100-1123	Screw	1	
9	100-1124	Feed shaft	1	
10	100-1125	Retaining ring	2	
11	100-1126	Bush, L	2	
12	100-1057	Collar	2	
13	400-1105	Set screw	4	
14	100-1127	Feed rocker arm	1	
15	100-1128	Stud	1	
16	100-1129	Set screw	1	
17	400-1027	Screw	1	
18	100-1130	Feed lifting arm	1	
19	100-1131	Pin	1	
20	100-1132	Bush, M	2	
21	100-1133	Washer	2	
22	100-1134	Feed lifting arm	1	
23	100-1135	Shaft	1	
24	100-1120	Screw	2	
25	400-1027	Screw	1	
26	100-1136	Connecting stud	1	
27	100-1137	Feed regulator	1	
28	100-1138	Screw, L	1	
29	100-1139	Screw, S	1	
30	100-1140	Bush	1	
31	100-1141	Shaft	1	
32	100-1142	Rubber cap	1	
33	100-1143	Pin assy. Lever	1	
34	100-1144	Spring, extension	1	
35	100-1145	Screw	1	
36	100-1146	Reverse stitching lever assy.	1	6.3X1.8G GB3452.1-92
36-1	100-1147	Reverse stitching lever	1	
36-2	100-1148	Spring hook pin	1	
37	100-1149	Shaft	1	
38	100-1150	O ring	1	
39	100-1151	Adjusting screw	1	14X2.4
40	100-1152	O ring	1	
41	100-1153	Stitch length dial	1	
42	100-1154	Stitch length plate	1	
43	100-1155	Support bush	1	

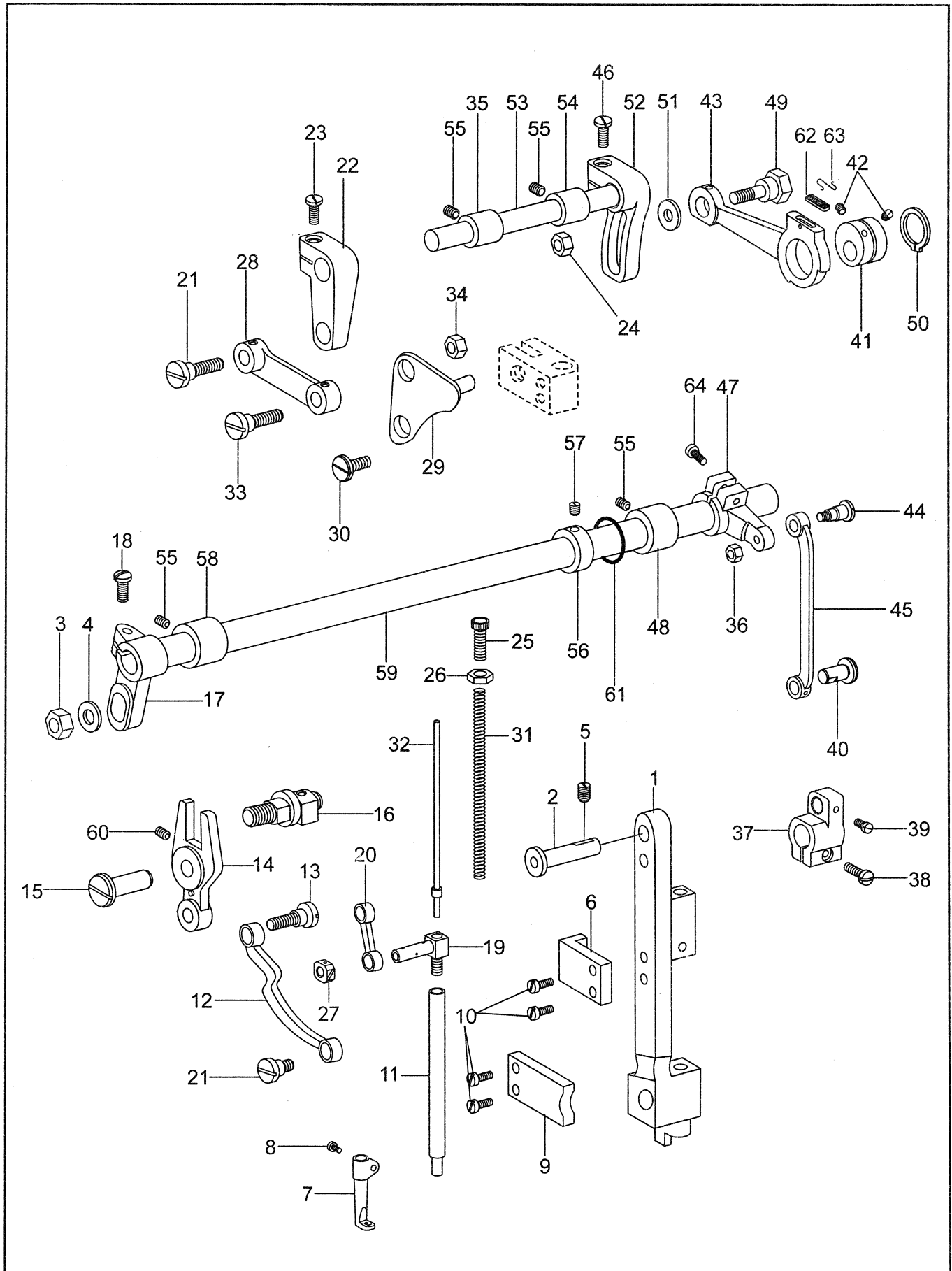
4. Feed mechanism



4. Feed mechanism

Line	Part Number	Description	Qt.	Notes
44	100-1156	Screw	1	
45	100-1157	Positioning pin	1	
46	100-1158	Spring	2	
47	100-1159	Stopper pin	1	
48	100-1160	Set screw	3	
49	100-1161	Feed cam	1	
50	100-1162	Feed connecting rod	1	
51	100-1163	Connecting rod	1	
52	100-1164	Stud	1	
53	100-1165	Link	2	
54	100-1129	Set screw	1	
55	100-1166	Link	2	
56	100-1167	Shaft	1	
57	100-1168	Screw	1	
58	100-1169	Screw	1	
59	100-1170	Shaft	1	
60	100-1171	Feed regulator crank	1	
61	100-1172	Pin shaft, L	1	
62	400-1027	Screw	2	
63	100-1173	Pin shaft, R	1	
64	100-1174	Stopper	1	
65	100-1175	Spring	1	
66	100-1176	Eccentric wheel	1	
67	100-1160	Screw	3	
68	100-1177	Holder	1	
69	100-1178	Feed lifting rod	1	
70	100-1179	Spring	1	
71	100-1180	Spring hook	1	
72	100-1181	Pin	1	
73	100-1182	Plate	1	
74	100-1183	Screw	1	
75	100-1184	Screw	1	
76	100-1185	Pin shaft	1	
77	100-1186	Screw	1	
78	100-1060	Screw	1	

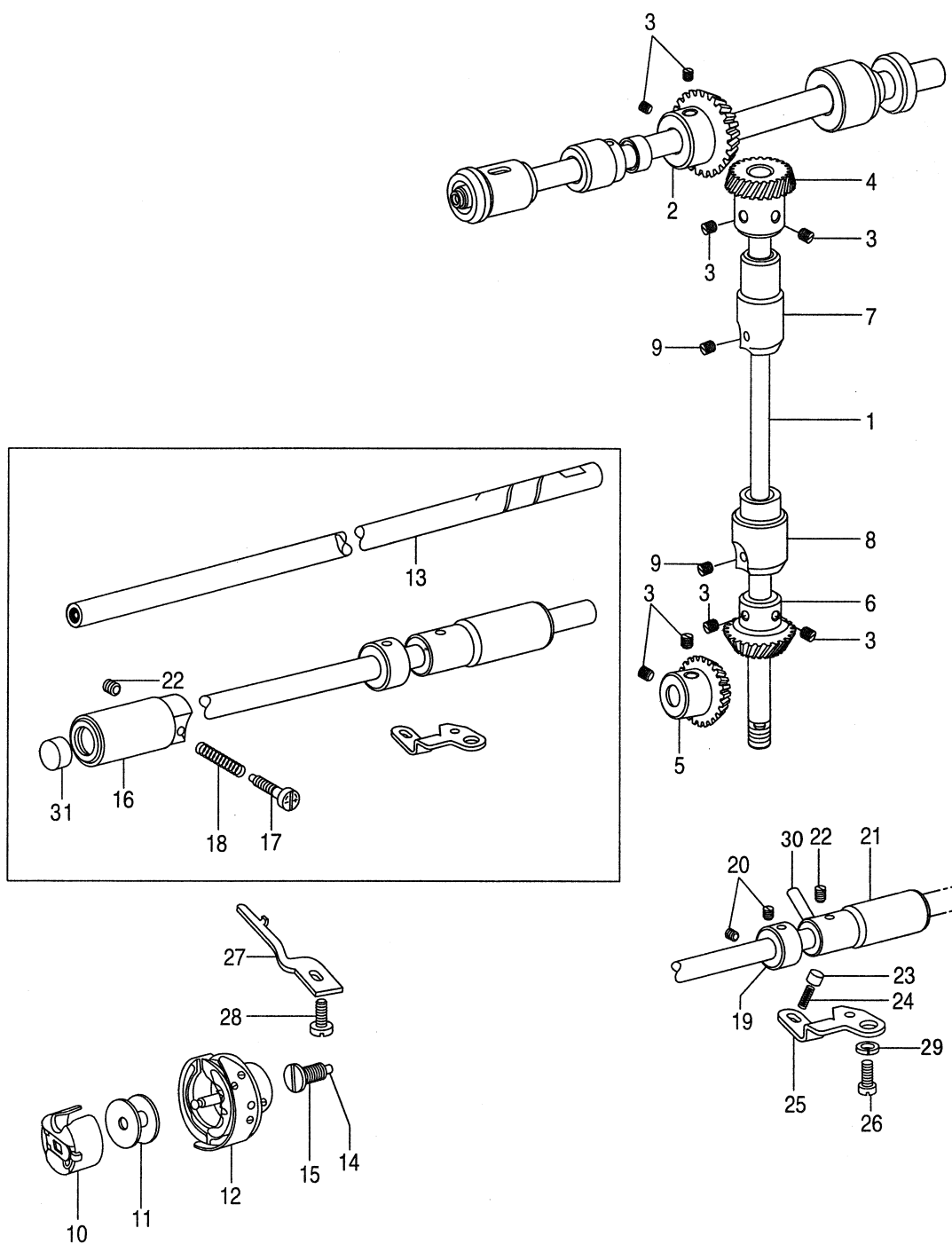
5. Upper feed mechanism



5. Upper feed mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1187	Needle bar rocking frame	1	GB/T95 6
2	100-1188	Shaft, n/b rocking frame	1	
3	100-1189	Nut	1	
4	100-1190	Washer	1	
5	100-1060	Screw	1	
6	100-1191	Guider	1	
7	100-1192	Walking foot	1	
8	100-1027	Screw	1	
9	100-1193	block	1	
10	100-1123	Screw	4	
11	100-1194	Presser bar, walking foot	1	
12	100-1195	Link	1	
13	100-1196	Screw	1	
14	100-1197	Crank	1	
15	100-1198	Pin shaft	1	
16	100-1199	Stud shaft assy.	1	
17	100-1200	Feed rocking arm crank, L	1	
18	100-1201	Screw	2	
19	100-1202	Connector	1	
20	100-1203	Link	1	
21	100-1204	Screw	2	
22	100-1205	Feed lifting arm crank, L	1	
23	100-1206	Screw	1	
24	100-1207	Nut	1	
25	100-1208	Screw	1	
26	100-1209	Nut	1	
27	100-1210	Block	1	
28	100-1211	Link	1	
29	100-1212	Crank	1	
30	100-1213	stud	1	
31	100-1214	Spring, compression	1	
32	100-1215	Guide bar	1	
33	100-1216	Screw	1	
34	100-1217	Nut	1	
35	100-1218	Bush, L	1	
36	100-1219	Nut	1	
37	100-1220	Feed rocker arm	1	
38	100-1122	Screw	1	
39	100-1129	Set screw	1	
40	100-1221	Stud	1	
41	100-1222	Eccentric wheel	1	
42	400-1203	Screw	2	
43	100-1223	Connecting rod	1	
44	100-1224	Shoulder screw	1	
45	100-1225	Connecting rod	1	
46	100-1226	Shoulder screw	1	GB894.1 25
47	100-1227	Feed rocking arm crank, R	1	
48	100-1228	Bush, M	1	
49	100-1229	Screw	1	
50	100-1230	Retaining ring, C	1	
51	100-1231	Washer	1	
52	100-1232	Feed arm	1	
53	100-1233	Feed lifting shift	1	
54	100-1234	Bush, R	1	
55	100-1235	Screw	3	
56	100-1057	Collar	1	
57	400-1105	Screw	2	
58	100-1236	Bush, L	1	
59	100-1237	Upper feed shift	1	
60	100-1238	Screw	1	
61	100-1239	O ring	1	
62	100-1240	Oil felt	1	
63	100-1241	Spring	1	
64	100-1242	Screw	1	

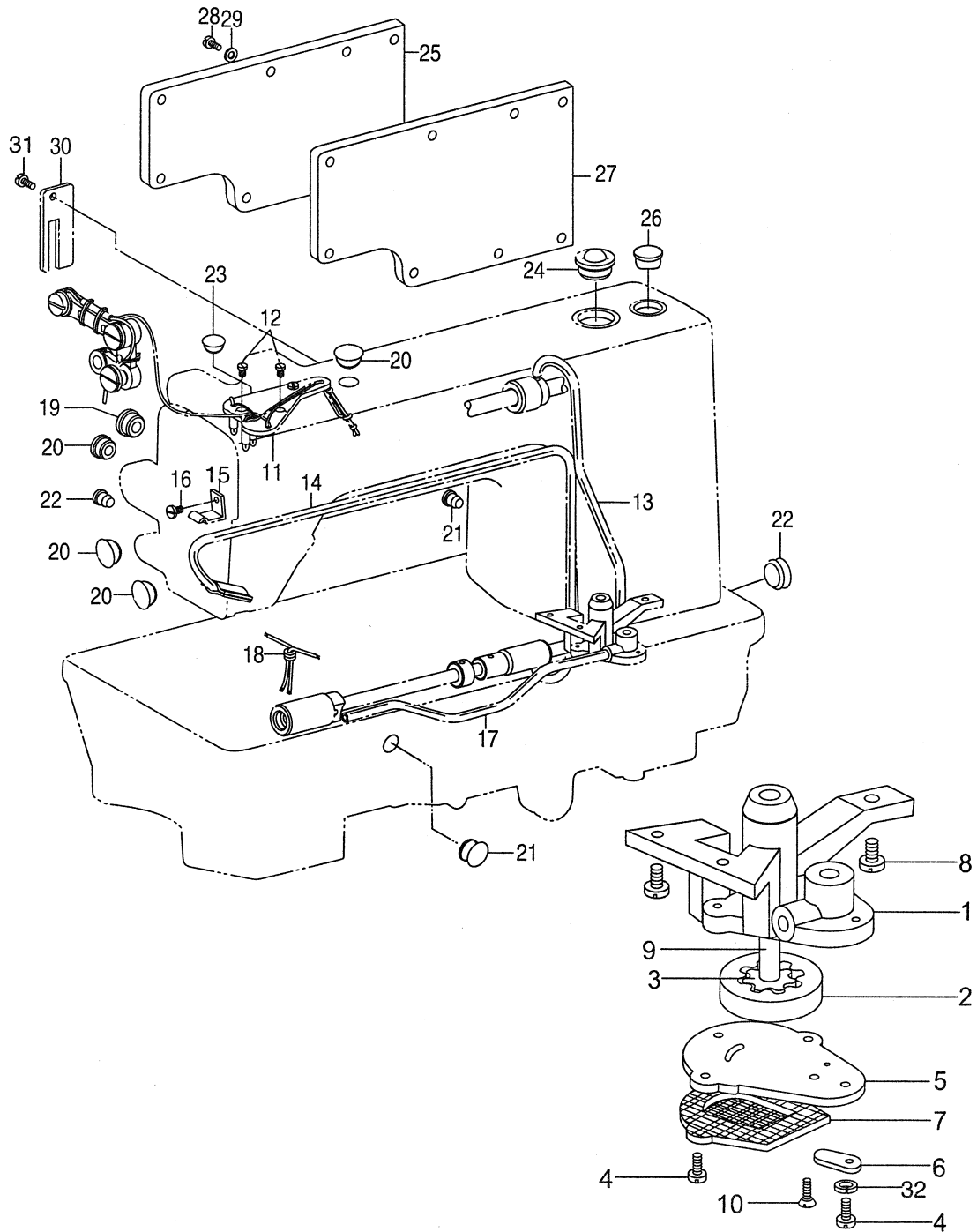
6. Hook mechanism



6. Hook mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1243	Vertical shaft	1	
2	100-1244	Bevel gear, upper shaft	1	
3	400-1203	Set screw	8	
4	100-1245	Bevel gear, vertical shaft, U	1	
5	100-1246	Bevel gear, lower shaft	1	
6	100-1247	Bevel gear, vertical shaft, L	1	
7	100-1248	Bush, vertical shaft, U	1	
8	100-1249	Bush, vertical shaft, L	1	
9	100-1060	Screw	2	
10	100-1250	Bobbin case	1	
11	100-1251	bobbin	1	
12	100-1252	Hook assy.	1	
13	100-1253	Lower shaft	1	
14	100-1254	Filter	1	
15	100-1255	Screw	1	
16	100-1256	Bush, lower shaft, L	1	
17	100-1257	Adjusting screw, oil	1	
18	100-1258	Adjusting spring	1	
19	100-1259	Collar	1	
20	100-1184	Screw	2	
21	100-1260	Bush, lower shaft, R	1	
22	100-1067	Screw	2	
23	100-1261	Plunger	1	
24	100-1262	Spring	1	
25	100-1263	Holder plate	1	
26	100-1264	Screw	1	GB93 6
27	100-1265	B/case holder position bracket	1	
28	100-1266	Screw	1	
29	100-1267	Washer	1	
30	100-1268	Oil tube	1	
31	100-1269	Oil seal	1	

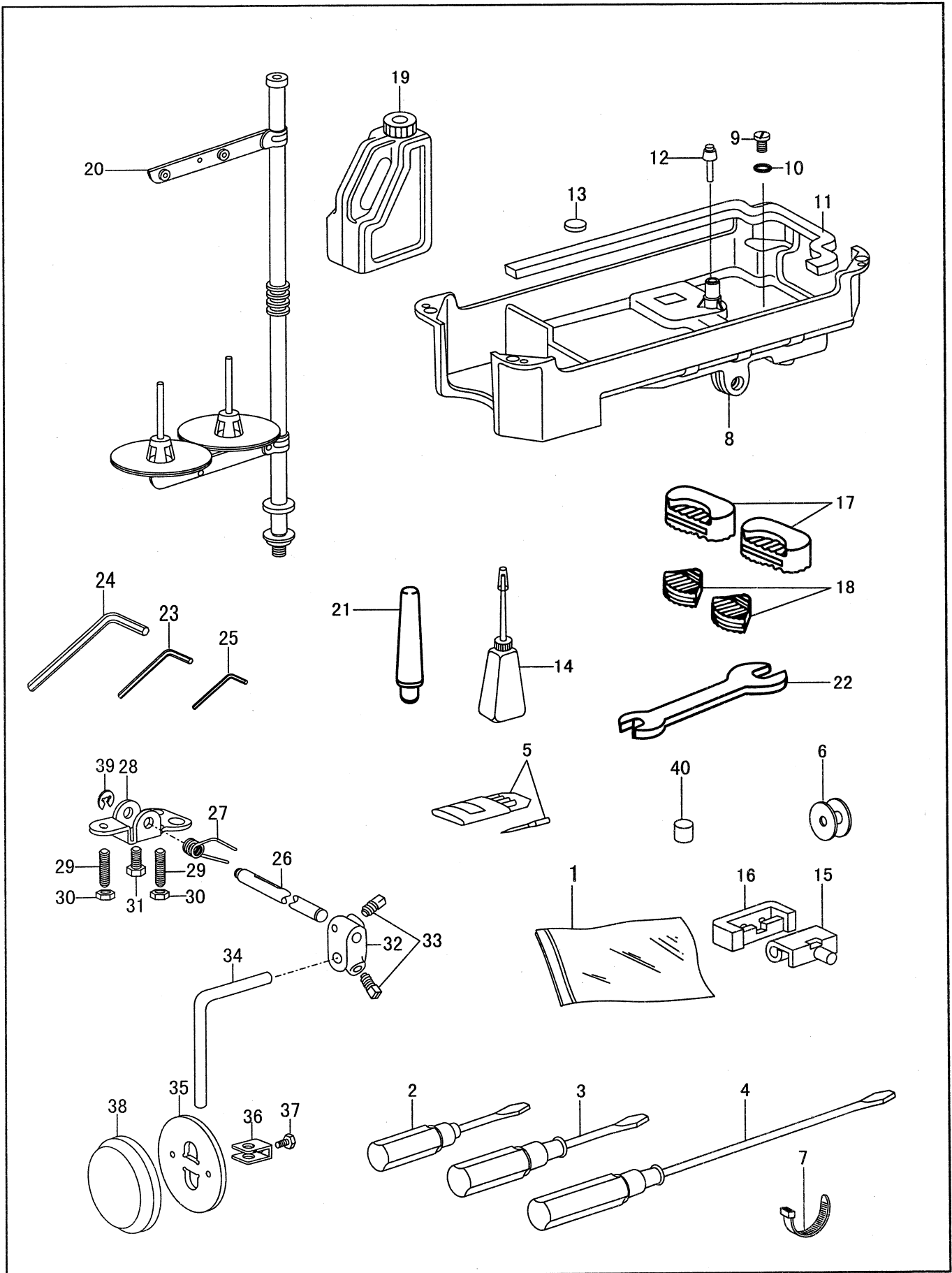
7. Lubrication mechanism



7. Lubrication mechanism

Line	Part Number	Description	Qt.	Notes
1	100-1270	Pump body	1	GB/T67 M3x10
2	100-1271	Big gear, pump	1	
3	100-1272	Small gear, pump	1	
4	100-1273	Screw	3	
5	100-1274	Cover	1	
6	100-1275	Throat plate	1	GB/T68 M3x10
7	100-1276	Filter set	1	
8	100-1277	Screw	3	
9	100-1278	Shaft	1	
10	100-1279	Screw	2	
11	100-1280	Setting plate	1	
12	100-1112	Screw	2	
13	100-1281	Oil tube, U	1	
14	100-1282	Tube assy.	1	
15	100-1283	Tube carrier	1	
16	100-1284	Screw	1	
17	100-1285	Oil tube, L	1	
18	100-1286	Oil wick	1	
19	100-1287	Rubber cap	1	
20	100-1288	Rubber cap	4	
21	100-1289	Rubber cap	2	
22	100-1290	Rubber cap	1	
23	100-1291	Rubber cap	1	
24	100-1292	Oil gauge window	1	
25	100-1293	Back cover	1	
26	100-1294	Rubber cap	1	
27	100-1295	Packing	1	
28	100-1054	Screw	8	
29	200-1377	Washer	8	
30	100-1296	Oil stopper	1	
31	100-1297	Screw	1	GB93 4
32	100-1298	Washer	1	

8. Accessories



8. Accessories

Line	Part Number	Description	Qt.	Notes
1	100-1299	Accessory bag	1	135X17#23
2	100-1300	Screw driver, S	1	
3	100-1301	Screw driver, M	1	
4	100-1302	Screw driver, L	1	
5	100-1078	Needle	4	
6	100-1251	Bobbin	3	
7	100-1303	Band	3	
8	100-1304	Oil pan	1	
9	200-1371	Screw	1	
10	100-1305	Washer	1	
11	100-1306	Packing, oil pan	1	
12	100-1307	Lifter bar, knee	1	
13	100-1308	Magnet	1	
14	100-1309	Oil pot	1	
15	100-1310	Head hinge	2	
16	100-1311	Cushion, head hinge	2	
17	100-1312	Head cushion, L	2	
18	100-1313	Head cushion, S	2	
19	100-1314	Oil tank	1	
20	100-1315	Thread stand assy.	1	
21	100-1316	Head rest	1	
22	100-1317	Wrench	1	
23	100-1318	Wrench, 2mm	1	
24	100-1319	Wrench, 3mm	1	
25	100-1320	V-belt	1	
26	100-1321	Lifter shaft	1	
27	100-1322	Spring	1	
28	100-1323	Bracket	1	
29	100-1324	Adjusting screw	2	
30	100-1325	Adjusting nut	2	
31	100-1326	Screw	1	GB/T5781 M8x12 M8x20
32	100-1327	Bracket	1	
33	100-1328	Screw	1	
34	100-1329	Lifter bar	1	
35	100-1330	Knee lifter plate	1	
36	100-1331	Stopper	1	GB896 9 φ8x3.5
37	100-1332	Screw	1	
38	100-1333	Cover, K-lifter plate	1	
39	100-1334	Retaining ring	1	
40	100-1335	Safety switch magnet	1	