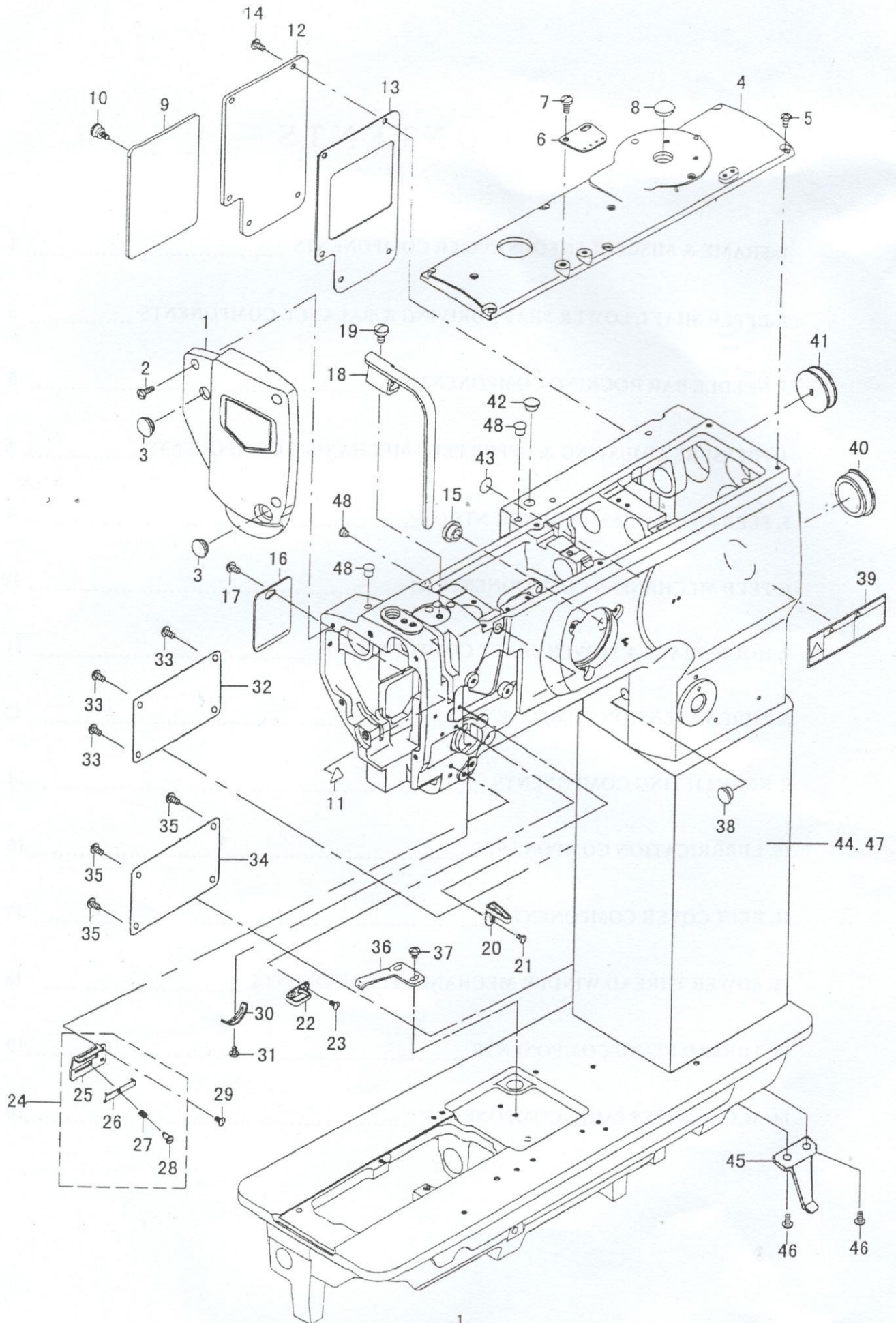


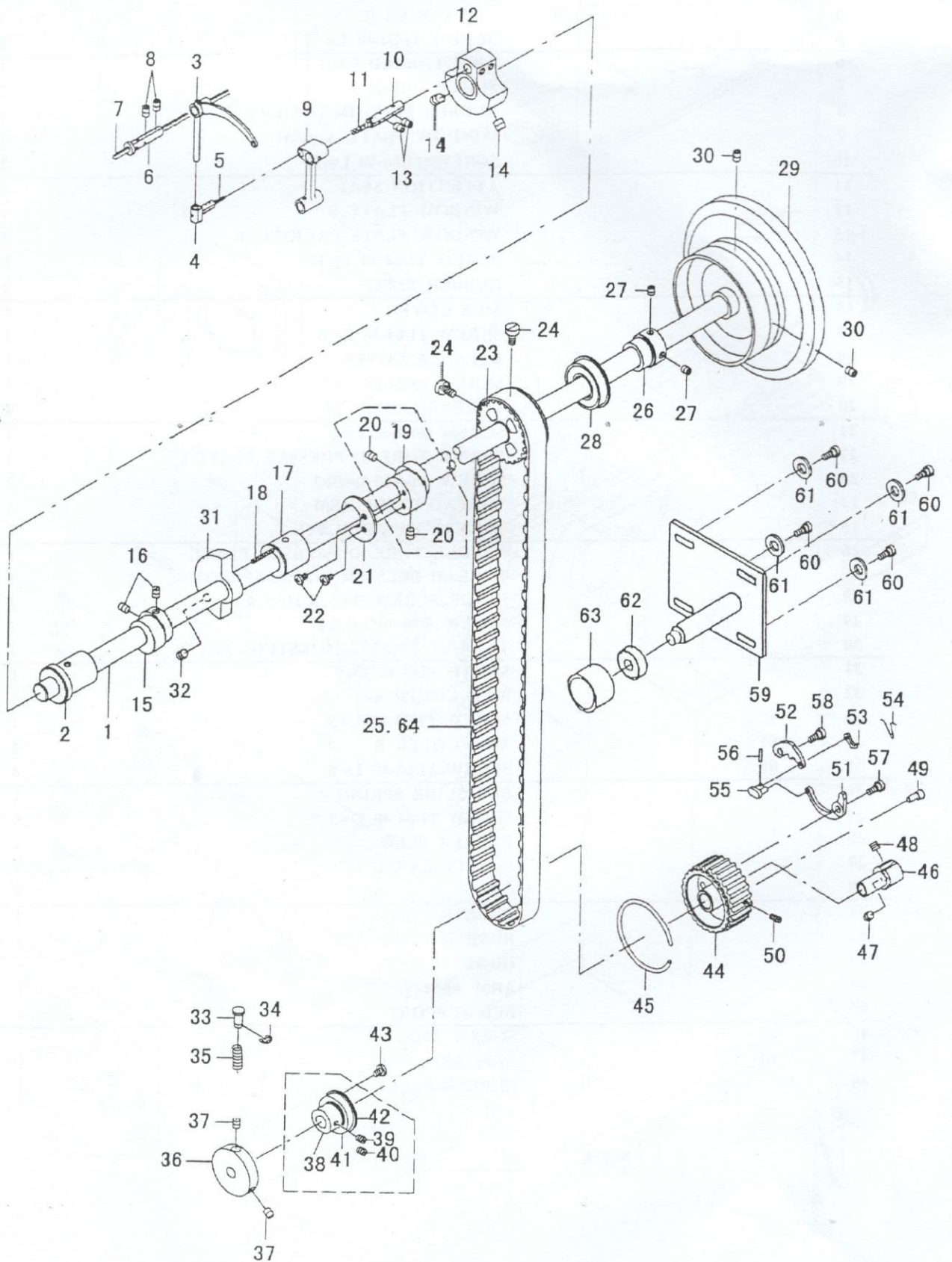
1.FRAME & MISCELLANEOUS COVER COMPONENTS



REF: NO	NOTE	DESCRIPTION	Qty
1		FACE PLATE ASM.	1
2		SCREW 11/64-40 L= 12	3
3		RUBBER PLUG D= 12.5 L= 12	2
4		TOP COVER B	1
5		SCREW 11/64-40 L= 12	6
6		ARM THREAD GUIDE	1
7		SCREW 3/16-31 L= 9.5	2
8		RUBBER PLUG D= 14.5 L= 4	1
9		WINDOW PLATE A ASM.	1
10		SCREW 11/64-40 L= 12	2
11		ATTENTION SEAL	1
12		WINDOW PLATE B	1
13		WINDOW PLATE PACKING B	1
14		SCREW 11/64-40 L= 12	6
15		RUBBER PLUG	2
16		SIDE COVER	1
17		SCREW 11/64-40 L= 8	1
18		BALANCE COVER	1
19		SCREW 15/64-28 L= 9	1
20		THREAD GUINE	1
21		SCREW 9/64-40 L= 6	1
22		FRAME THREAD PRESSER PLATE	1
23		SCREW 9/64-40 L= 7.2	2
24		THREAD GUIDE ASM.	1
25		THREAD GUIDE PLATE	1
26		NEEDLE THREAD PRESSER PLATE	1
27		THREAD PRESSER PLATE SPRING	1
28		HINGE SCREW D= 3.8 H= 5.5	1
29		SCREW 9/64-40 L= 7.2	1
30		TAKE-UP SPRING SDJUSTING PLATE	1
31		SCREW 9/64-40 L= 5	1
32		ARM COVER A	1
33		SCREW 11/64-40 L= 8	4
34	01	ARM COVER B	1
35	01	SCREW 11/64-40 L= 8	4
36		BED SLIDE SPRING	1
37		SCREW 11/64-40 L= 5.5	1
38		RUBBER PLUG	1
39		SAFETY LABEL 12	1
40		CAP	1
41		RUBBER PLUG	1
42		RUBBER PLUG	1
43		GROUND MARK	1
44		ARM ASM.	1
45		BED SUPPORT	1
46		SCREW M6X12	2
47	01	ARM ASM.	1
48		RUBBER PLUG	3

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2.UPPER SHAFT,& LOWER SHAFT DRIVING & BALANCE COMPONENTS



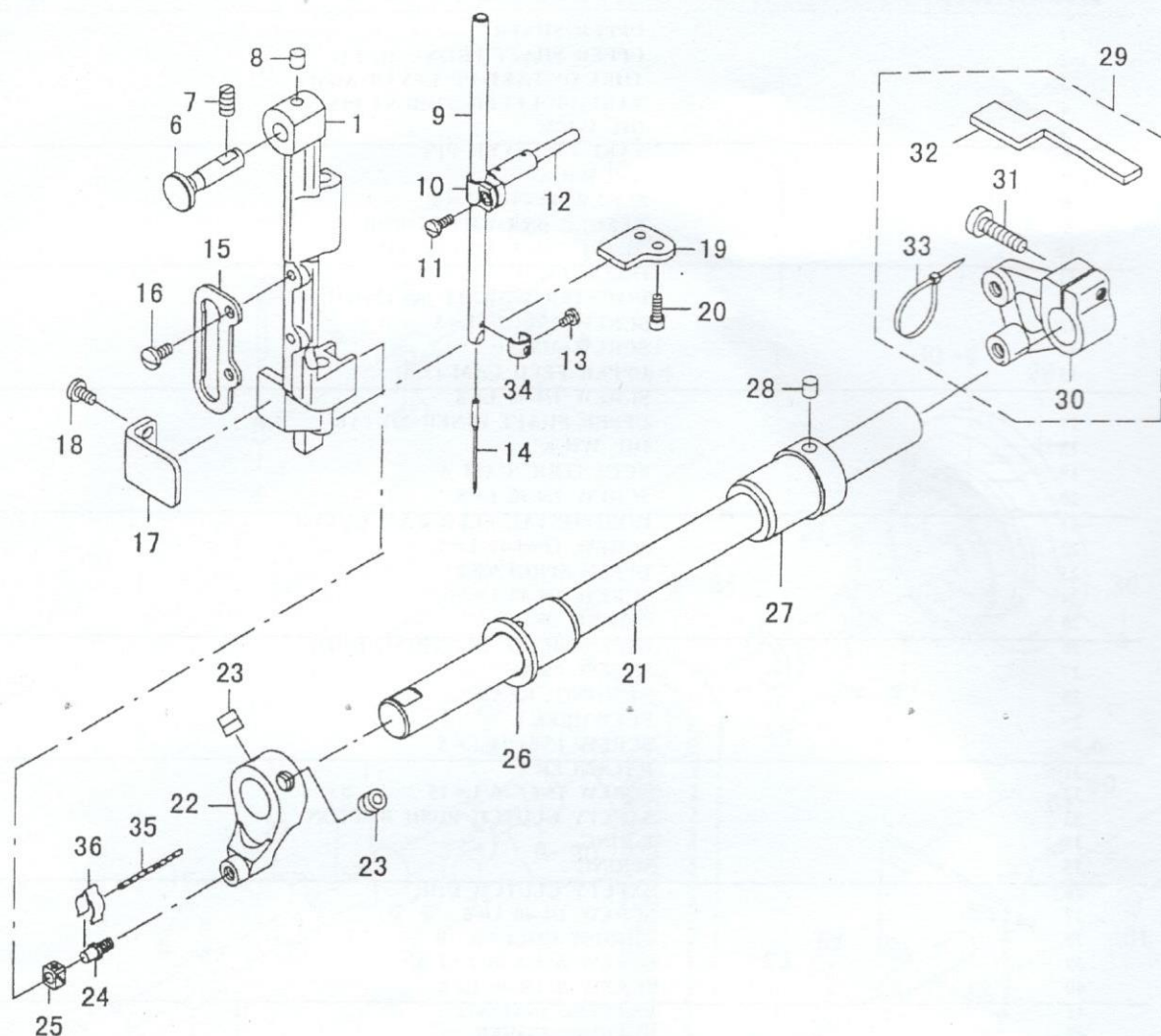
REF. NO	NOTE	DESCRIPTION	Qty
1		UPPER SHAFT	1
2		UPPER SHAFT FRONT METAL	1
3		THREAD TAKE-UP LEVER ADJ.	1
4		TAKE-UP LEVER THRUST PIN	1
5		OIL WICK	1
6		TAKE-UP LEVER PIN	1
7		OIL WICK	1
8		SCREW 15/64-28 L= 8	2
9		NEEDLE BAR CRANK ROD	1
10		NEEDLE BAR CRANK PIN	1
11		OIL WICK	1
12		COUNTER WEIGHT (A) (36MM)	1
13		SCREW 15/64-28 L= 8	2
14		SCREW M8X8	2
15		UPPER FEED CAM (3.5)	1
16		SCREW 1/4-40 L= 8	2
17		UPPER SHAFT INNER METAL	1
18		OIL WICK	1
19		ECCENTRIC CAM A	1
20		SCREW 1/4-40 L= 8	2
21		HORIZONTAL FEED CAM COVER	1
22		SCREW 11/64-40 L= 7	2
23		UPPER SPROCKET	1
24		SCREW 1/4-40 L= 11	2
25		TIMING BELT	1
26		UPPER SHATE BENARING HOOK	1
27		SCREW M6X6	2
28		BUSHING, REAR	1
29		FLYWHEEL	1
30		SCREW 15/64-28 L= 8	2
31		BALANCER	1
32		SCREW 15/64-28 L= 15	2
33		SAFETY CLUTCH PUSH BUTTON	1
34		E-RING	1
35		SPRING	1
36		SAFETY CLUTCH DDC	1
37		SCREW 1/4-40 L= 6	2
38		THRUST COLLAR, B	1
39		SCREW A 1/4-40 L= 6	1
40		SCREW B 1/4-40 L= 6	1
41		BEARING 40X17X12	1
42		BEARING COVER	1
43		SCREW 11/64-40 L= 7	1
44		LOWER SPROCKET	1
45		SPROCKET RING	1
46		SAFETY BASE	1
47		SCREW A 1/4-40 L= 6	1
48		SCREW B 1/4-40 L= 6	1
49		ADJUSTING PIN (1. 2)	1
50		SCREW 11/64-40 L= 8	1
51		SAFETY CLUTCH SPRING	1
52		SAFETY CLTCH HOOK	1
53		SAFETY CLUTCH COUNTER-HOOK	1
54		COUNTER-HOOK SPRING	1
55		SAFETY CLUTCH SMALL LINK	1
56		SAFETY CLUTCH SMALL LINK PIN	1
57		HINGE SCREW D= 6. 35 H= 3. 2	1
58		HINGE SCREW D= 6. 35 H= 3. 2	1
59		LDLER BACE COM.	1
60		SCREW 15/64-28 L= 14	4
61		WASHER 6	4
62		BALL BEARING	1
63		LDLER	1
64	01	TIMING BELT	1

NOTE

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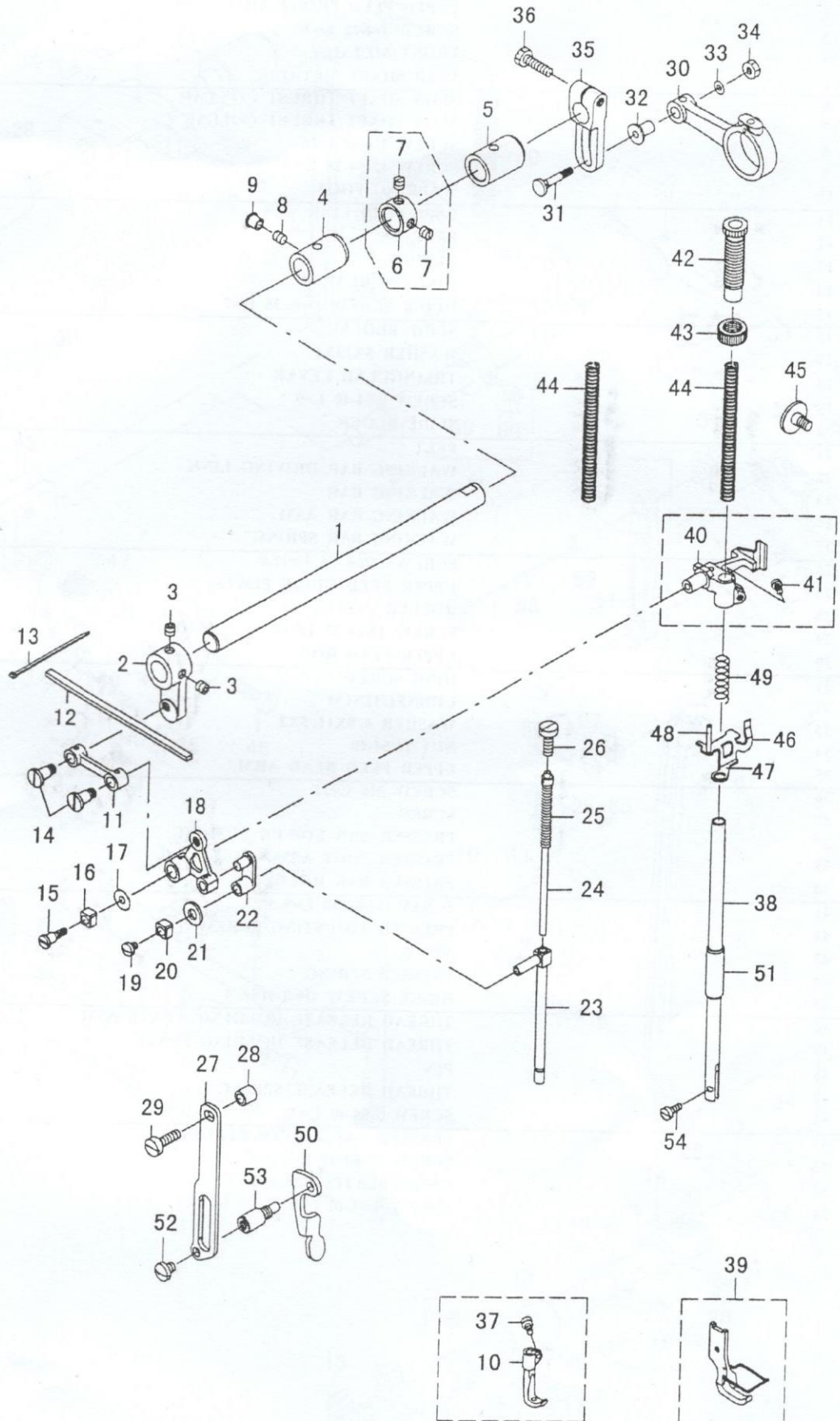
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3.NEEDLE BAR ROCKING COMPONENTS



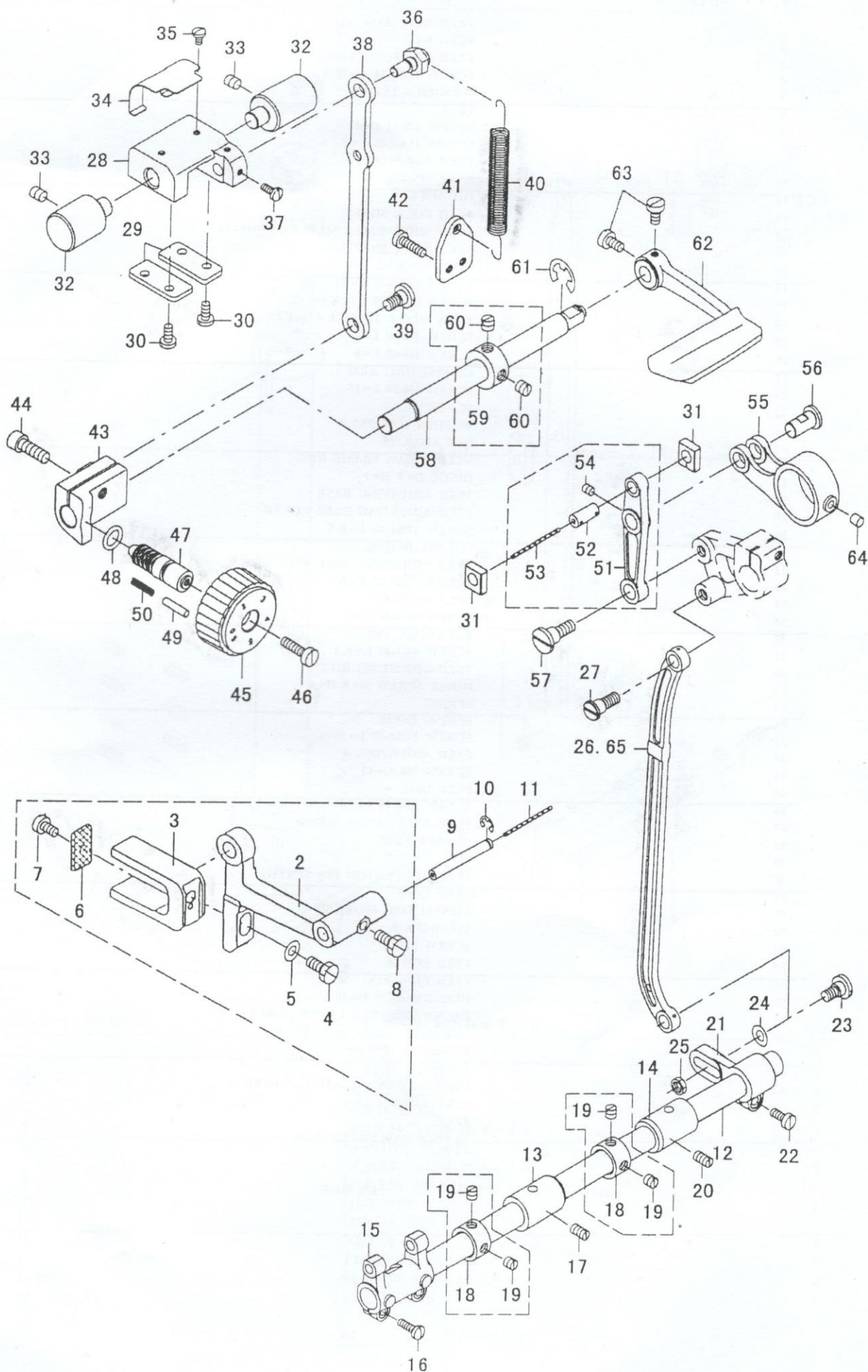
REF.NO	NOTE	DESCRIPTION	Qty
1		NEEDLE BAR FRAME ASM.	1
2		NEEDLE BAR FRAME	1
3		NEEDLE BAR FRAME RIGHT GUIDE PLATE	1
4		NEEDLE BAR FRAME LEFT GUIDE PLATE	1
5		SCREW 3/32-56 L=3.6	6
6		HINGE STUP	1
7		SCREW 15/64-28 L=10.5	1
8		FELT	1
9		NEEDLE BAR	1
10		NEEDLE BAR CONNECTION	1
11		SCREW 9/64-40 L=8.5	1
12		FELT	1
13		SCREW 1/8-44 L=4.5	1
14		NEEDLE SY3355 NM160	1
15		UPPER FEED BAR GUIDE	1
16		SCREW 11/64-40 L=15	2
17		ROCKING BASE GUIDE	1
18		SCREW 11/64-40 L=7.5	2
19		ROCKING BASE GUIDE	1
20		SCREW 9/64-40 L=10	2
21		ROCKING SHAFT	1
22		ROCKING FRONT ARM	1
23		SCREW M8X8	2
24		STUP	1
25		SQUARE BLOCK	1
26		ROCKING SHAFT FRONT METAL	1
27		ROCKING SHAFT REAR METAL	1
28		FELT	1
29		ROCKING REAR ARM ASM.	1
30		ROCKING REAR ARM	1
31		SCREW 15/64-28 L=23.5	1
32		ROCKING REAR ARM FELT	1
33		CABLE BAND	1
34		NEEDLE BAR THREAD FELT	1
35		OIL WICK	1
36		OIL WICK RETAINER	1

4.PRESSURE ADJUSTING & UPPER MECHANISM COMPONENTS



REF. NO	NOTE	DESCRIPTION	Qty
1		UPPER FEED SHAFT	1
2		UPPER FEED FRONT ARM	1
3		SCREW 1/4-40 L= 6	2
4		FRONT METAL	1
5		FEED SHAFT METAL	1
6		MAIN SHAFT THRUST COLLAR	1
7		MAIN SHAFT THRUST COLLAR	1
8		SCREW 1/4-40 L= 6	1
9		SCREW 15/64-28 L= 7	1
10		WALKING FOOT	1
11		UPPER FEED LINK	1
12		FELT	1
13		CLIP CV-70S	2
14		HINGE SCREW, B	2
15		HINGE SCREW D=6.35 H=7	1
16		SLIDE BLOCK	1
17		WASHER 5X13X1	1
18		TRIANGULAR LEVER	1
19		SCREW 9/64-40 L=9	1
20		SLIDE BLOCK	1
21		FELT	1
22		WALKING BAR DRIVING LINK	1
23		WALKING BAR	1
24		WALKING BAR ASM.	1
*25		WALKING BAR SPRING	1
26		SCREW 15/64-28 L=17.0	1
27		UPPER FEED GUIDE PLATE	1
28		ROLLER	1
29		SCREW 15/64-28 L= 19	1
30		UPPER FEED ROD	1
31		HINGE SCREW	1
32		CONNECTING	1
33		WASHER 4.8X11.5X2	1
34		NUT 11/64-40	1
35		UPPER FEED REAR ARM	1
36		SCREW M6 L=22	1
37		SCREW	1
38		PRESSER BAR LOWER BUSHING	1
39		PRESSER FOOT ASM	1
40		PRESSER BAR HOLDER	1
41		SCREW 11/64-40 L=8.5	1
42		PRESSER ADJUSTING SCREW	1
43		NUT	1
44		PRESSER SPRING	1
45		HINGE SCREW D= 8 H=4.9	1
46		THREAD RELEASE HOLDING PLATE ASM	1
47		THREAD RELEASE HOLDING PLATE	1
48		PIN	1
49		THREAD RELEASE SPRING	1
50		SCREW 9/64-40 L=9	1
51		PRESSER BAR LOWER BUSHING	1
52		SCREW 15/64-28 L=7	1
53		GUIDE PLATE SPACER	1
54		SCREW 9/64-40 L=9	1

5.FEED MECHANISM COMPONENTS (1)

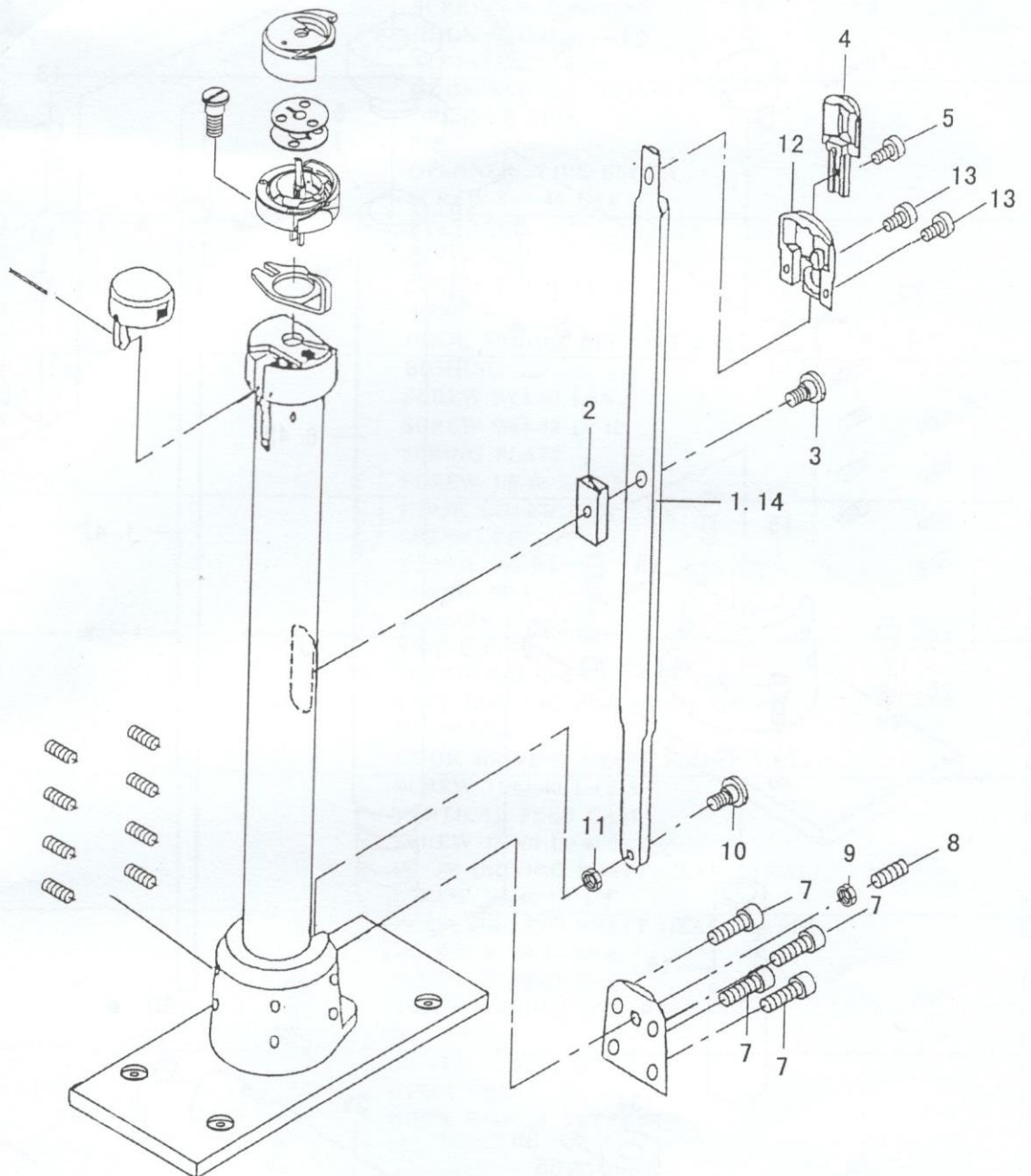


REF. NO	NOTE	DESCRIPTION	Qty
1		FEED BASE ASM. (A)	1
2		FEED BASE	1
3		FEED BAR SLIDE FORK	1
4		SCREW 15/64-28 L= 15.5	1
5		WASHER 6. 2X13X1	1
6		FELT	1
7		SCREW 1/8-44 L= 4	1
8		SCREW 11/64-40 L= 7	1
9		FEED BAR SHAFT	1
10		SNAP RING 5	1
11		OIL WICK	1
12		FEED ROCK SHAFT	2
13		FEED ROCK SHAFT METAL (FRONT)	1
14		FEED ROCK SHAFT METAL	1
15		FEED ROCKER	1
16		SCREW 11/64-40 L= 14	2
17		SCREW 15/64-28 L= 10.5	1
18		MAIN SHAFT THRUST COLLAR	1
19		SCREW 1/4-40 L= 6	4
20		SCREW 1/4-40 L= 6	1
21		CONNECTING ARM	1
22		SCREW 1/4-24 L= 15	1
23		SCREW	1
24		WASHER 6. 5X13X0.8	1
25		NUT M6X0. 75	1
26		NEEDLE BAR FRAME ROD	1
27		HINGE D= 9 H= 7	1
28		FEED ADJUSTING BASE	1
29		FEED ADJUSTING BASE COVER	2
30		SCREW 11/64-40 L= 8.5	2
31		SQUARE BLOCK	2
32		FEED ADJUSTING BASE SUPPORT	2
33		SCREW 15/64-28 L= 8	2
34		FELT SUPPORT	1
35		SCREW 9/64-40 L= 6	2
36		ECCENTRIC PIN	1
37		SCREW 9/64-40 L= 8.5	2
38		FEED ADJUSTING ROD	1
39		HINGE SCREW D= 8 H= 4	1
40		SPRING	1
41		SPRING HOOK	1
42		SCREW 11/64-40 L= 16	2
43		FEED ADJUSTING A	1
44		SCREW M6 L= 18	1
45		FEED DIAL A	1
46		SCREW 3/16-28 L= 18	1
47		FEED REGULATOR SCREW	1
48		RUBBER RING	1
49		PIN	1
50		FEED RUGULATOR PIN SPRING	1
51		FEED LINK	1
52		CONNECTING IFORKED	1
53		OIL WICK	1
54		SCREW M5X6	1
55		FEED ROD A	1
56		FEED LINK PIN	1
57		HING E SCREW D= 10 H= 8	1
58		BACKWARD FEED LEVER SHAFT	1
59		THRUST COLLAR D= 12 W= 10	1
60		SCREW 1/4-40 L= 6	2
61		E - RING 9	1
62		REVERSE FEED CONTROL LEVER	1
63		SCREW 3/16-28 L= 9	2
64		FELT	1
65	01	NEEDLE BAR FRAME ROD	1

NOTE

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6.FEED MECHANISM COMPONENTS

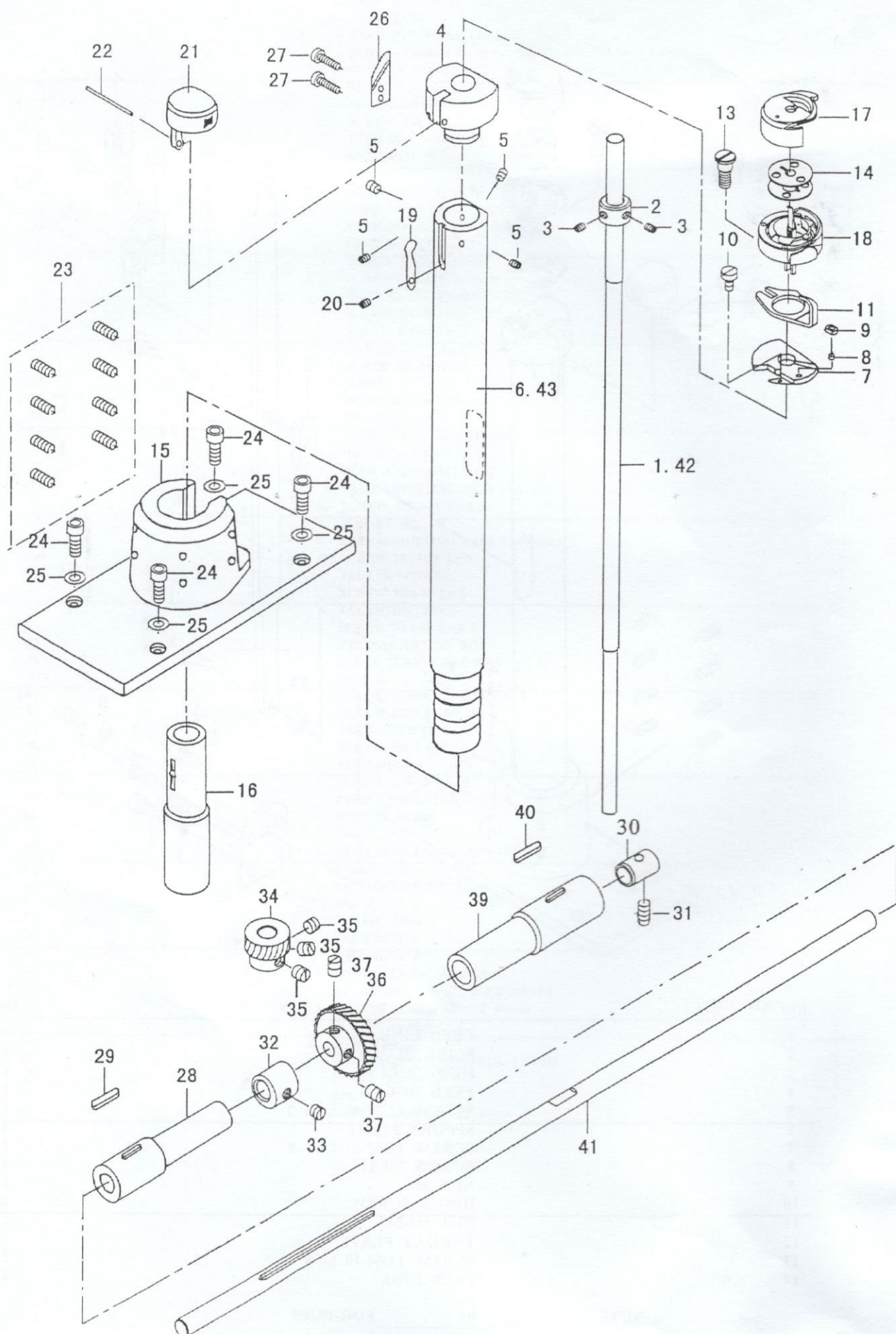


REF.NO	NOTE	DESCRIPTION	Qty
1		FEED LINK	1
2		SLIDE BLOCK	1
3		HINGE SCREW	1
4		FEED DOG	1
5		SCREW 11/64-40 L= 4.3	1
6		SPPORT PLATE	4
7		SCREW 11/64-40 L= 7.8	1
8		SCREW M8X16	1
9		NUT M8	1
10		HINGE SCREW	1
11		NUT 1/4-24	1
12		THROAT PLATE	1
13		SCREW 11/64-40 L= 8	2
14	01	FEED LINK	1

NOTE

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7. HOOK SHAFT & LOWER SHAFT COMPONENTS

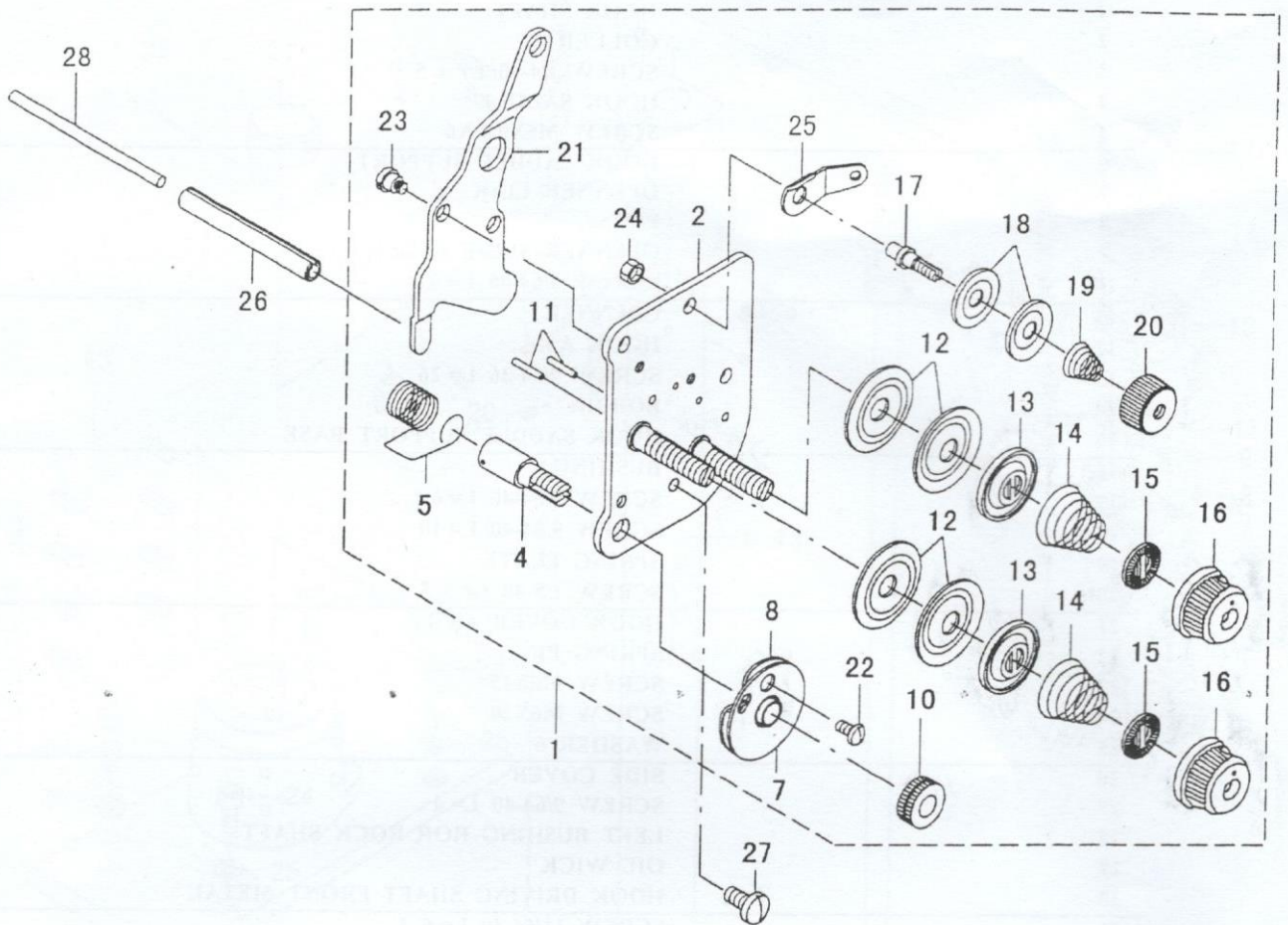


REF. NO	NOTE	DESCRIPTION	Qty
1		HOOK SHAFT	1
2		COLLER	1
3		SCREW 1/4-40 L= 4.5	2
4		HOOK SADDLE	1
5		SCREW M5X0.8 X6	4
6		HOOK SADDLE SUPPORT	1
7		OPENNER LINK	1
8		PIN	1
9		OPENNER SLIDE BLOCK	1
10		SCREW 9/64-40 L= 6	1
11		OPENNER	1
12		HOOK ASM.	1
13		SCREW 9/64-36 L= 26	1
14		BOBBIN	1
15		HOOK SADDLE SUPPORT BASE	1
16		BUSHING	1
17		SCREW 9/64-40 L= 6	2
18		SCREW 9/64-40 L= 10	4
19		SPRING PLATE	1
20		SCREW 1/8-40 L= 3.5	1
21		HOOK COVER ASM.	1
22		SPRING PIN	1
23		SCREW M6X15	8
24		SCREW M6X20	4
25		WASHER 6	4
26		SIDE COVER	1
27		SCREW 9/64-40 L= 4	2
28		LEFT BUSHING FOR ROCK SHAFT	1
29		OIL WICK	1
30		HOOK DRIVING SHAFT FRONT METAL	1
31		SCREW 11/64-40 L= 6.5	1
32		VERTICAL FEED CAM	1
33		SCREW 1/4-40 L= 4	1
34		HOOK DRIVING SHAFT GEAR, SMALL	1
35		SCREW 1/4-40 L= 4.5	3
36		HOOK DRIVING SHAFT GEAR, LARGE	1
37		SCREW A 1/4-40 L= 6	1
38		SCREW B 1/4-40 L= 6	1
39		RIGHT BUSHING FOR ROCK SHAFT	1
40		OIL WICK	1
41		LOWER SHAFT	1
42	01	HOOK SHAFT	1
43	01	HOOK SADDLE SUPPORT	1

NOTE

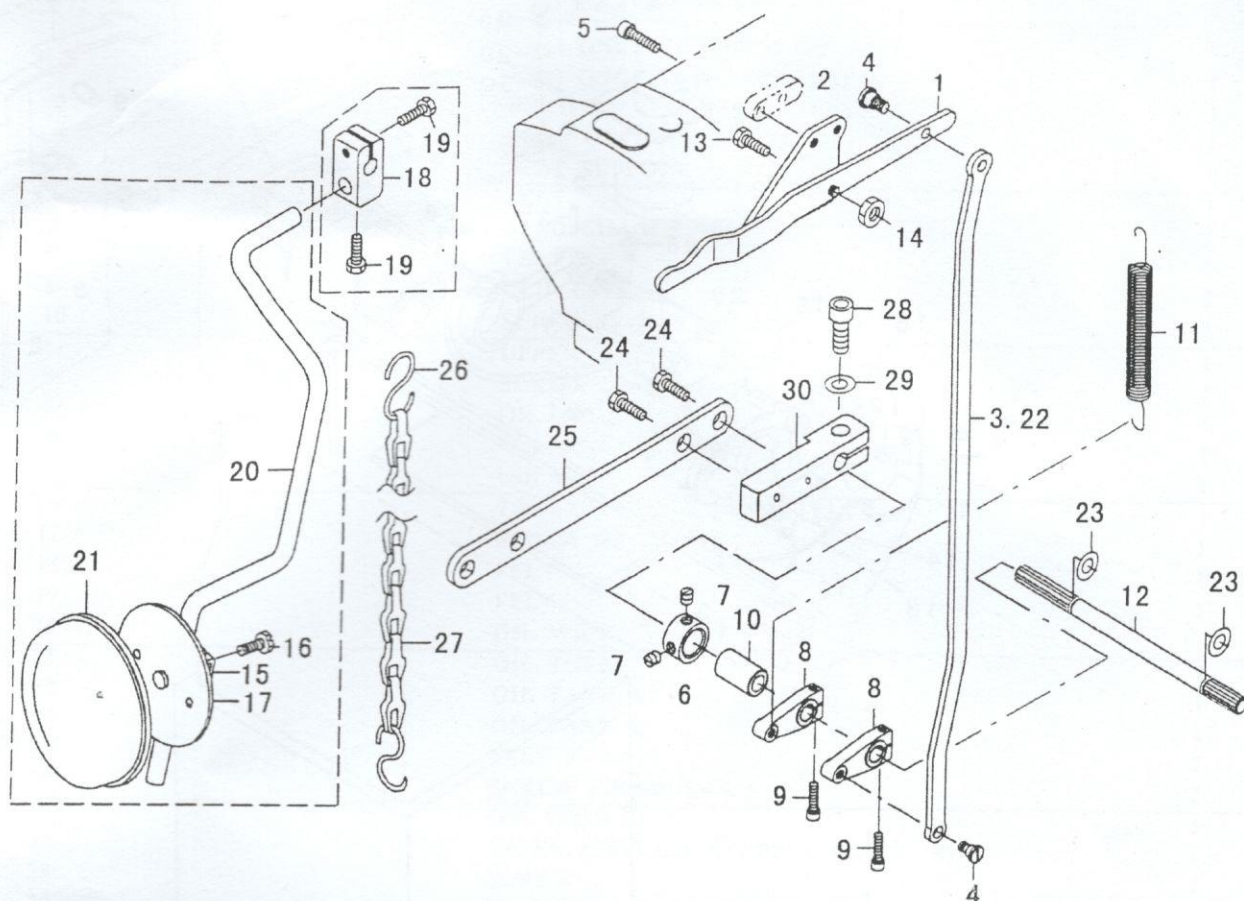
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8. THREAD TENSION COMPONENTS



REF. NO	NOTE	DESCRIPTION	Qty
1		THREAD TENSION PLATE ASM.	1
2		TENSION POST COMPL.	1
3		TENSION SCREW	2
4		SCREW STOP	1
5		TENSION SPRING	1
6		TAKE-UP SPRING GUIDE DISC ASM.	1
7		TAKE-UP SPRING GUIDE DISC	1
8		TAKE-UP SPRING GUIDE DISC HOOK	1
9		TAKE-UP SPRING GUIDE DISC BUSHING	1
10		THREAD TENSION NUT	1
11		TENSION RELEASE PIN, A	2
12		THREAD TENSION DISK	4
13		THREAD TENSION DISK PRESSER	2
14		TENSION SPRING (1. 2)	2
15		ROTATING STOPPER	2
16		THREAD TENSION KNOB, BLUE	2
17		THREAD TENSION POST, A	1
18		FIRST THREAD TENSION PLATE	2
19		THREAD TENSION SPRING	1
20		THREAD TENSION NUT	1
21		TENSION RELEASE PLATE	1
22		SCREW 1/8-44 L= 6. 4	2
23		HINGE SCREW D= 4. 7 H= 2. 8	2
24		NUT 11/64-40	1
25		THREAD GUIDE	1
26		SPRING PIN	1
27		SCREW 11/64-10 L= 8. 5	2

9.KNEE LIFTER COMPONENTS



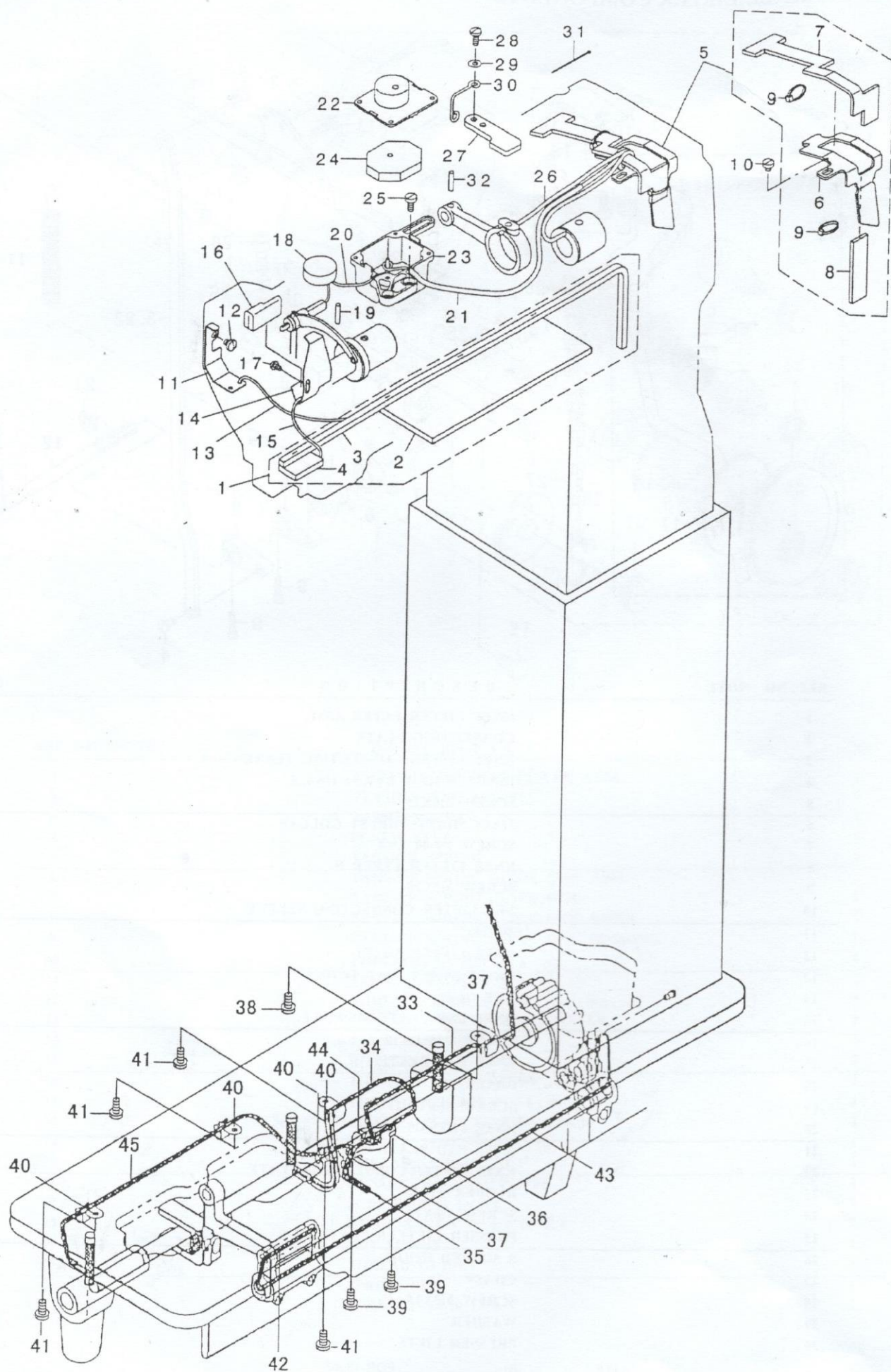
REF.NO	NOTE	DESCRIPTION	Qty
1		KNEE LIFTER LEVER ASM.	1
2		CONNECTING PLATE	1
3		KNEE LIFTER CONNECTING PLATE	1
4		HINGE SCREW D= 7.94 H= 4.5	1
5		SCREW M6X25	2
6		MAIN SHAFT THRUST COLLAR	1
7		SCREW 1/4-40 L= 4	2
8		KNEE LIETER LEVER B	1
9		SCREW M5X20	2
10		NEE LIFTER CONNECTING SLEEVE	1
11		SPRING	1
12		KNEE LIFTER SHAFT	1
13		HINGE SCREW D= 7.94 H= 4.5	1
14		NUT 1/4-40	1
15		KNEE PAD PLATE SUPPORT	1
16		SCREW M6 L=12	1
17		KNEE PAD PLATE	1
18		BRACKET	1
19		SCREW M6 L= 23	2
20		KNEE PRESS LEVER	1
21		KNEE PAD PLATE COVER	1
22	01	KNEE LIFTER CONNECTING PLATE	1
23		RUBBER RING	1
24		SCREW M6X18	2
25		PRESSER LIFTEER PLATE	1
26		S SHAPED HOOK	1
27		CHAIN	1
28		SCREW M5X15	1
29		WASHER	1
30		PRESSER LIFTE	1

NOTE

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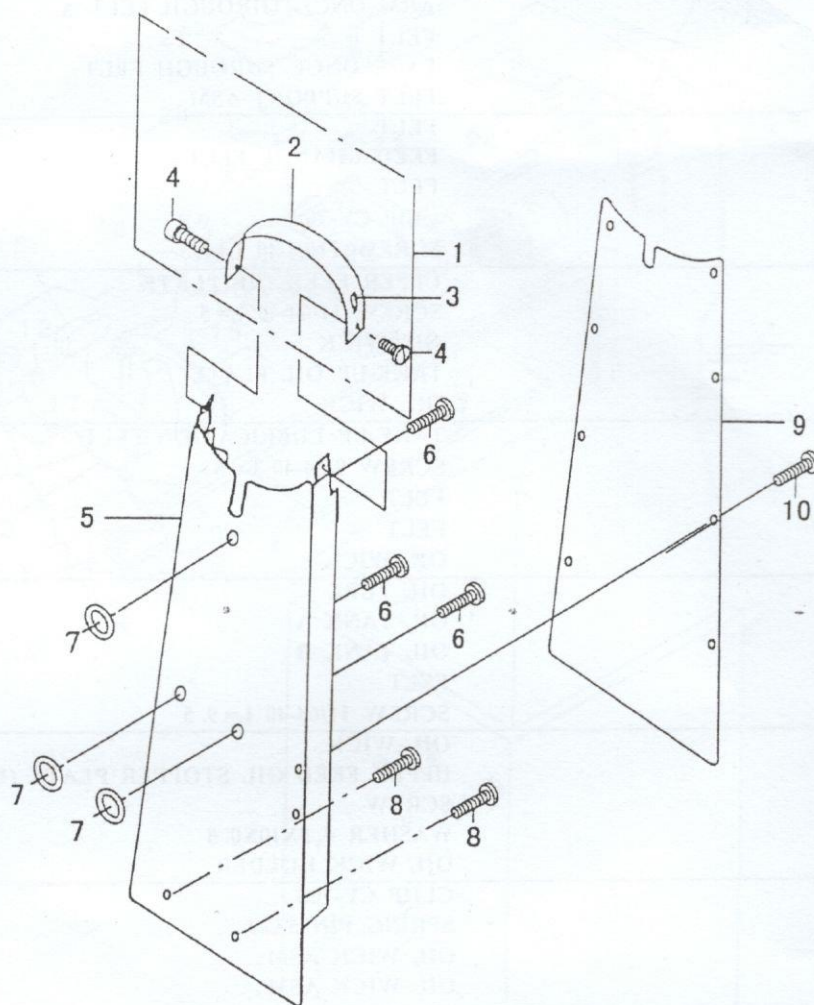
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10.LUBBICATION COMPONENTS



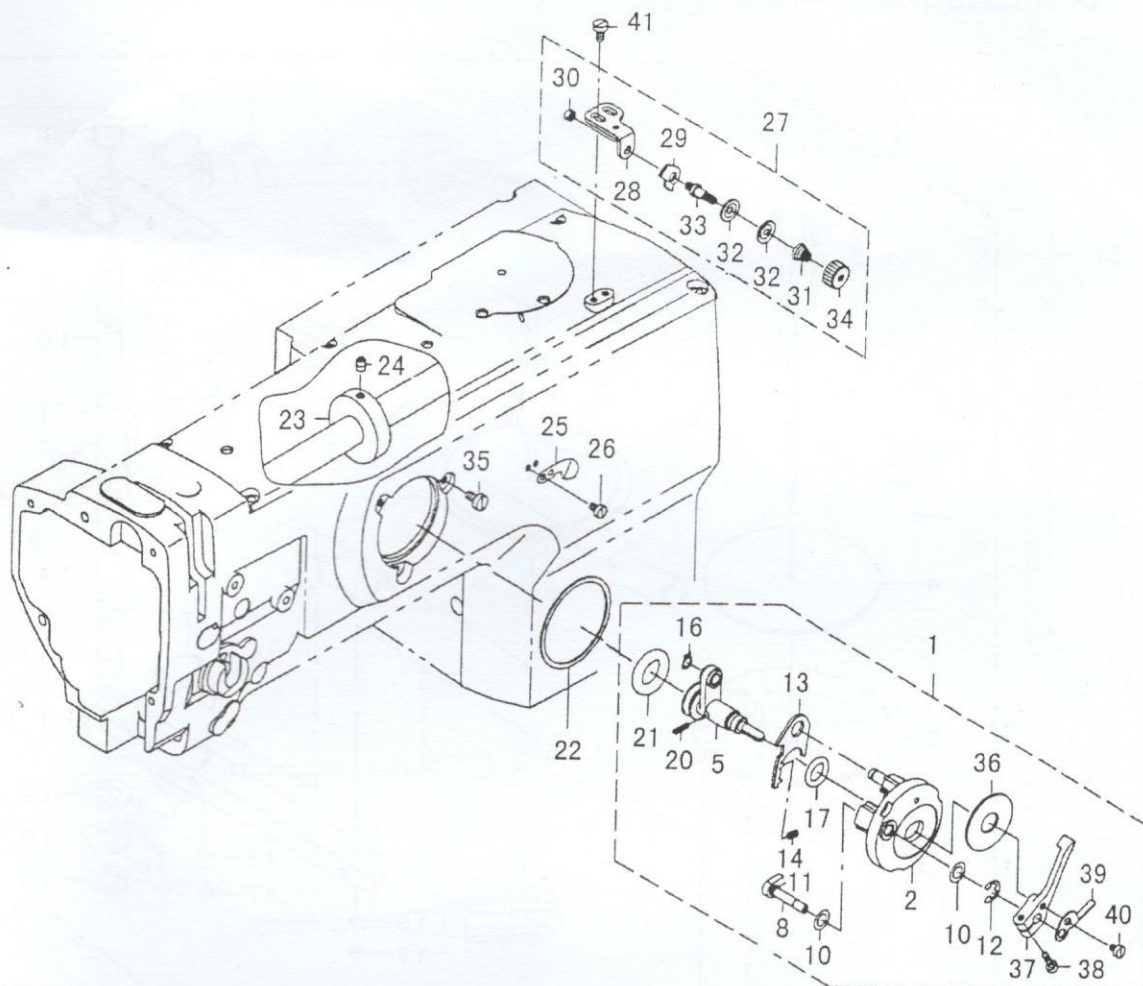
FER.NO	NOTE	DESCRIPTION	Qty
1		ARM ONCE THROUGH OIL ASM.	1
2		ARM ONCE THROUGH FELT A	1
3		FELT B	1
4		FACE ONCE THROUGH FELT	1
5		FELT SUPPORT ASM.	1
6		FELT	1
7		FEED CHANGE FELT	1
8		FELT	1
9		CLIP CV-70S	2
10		SCREW 11/64-40 L=4.3	1
11		UPPER FEED OIL PLATE	1
12		SCREW 11/64-40 L= 5	1
13		OIL WICK	1
14		TAKE-UP OIL PLATE	1
15		OIL WICK	1
16		TAKE-UP LUBRICATION FELT	1
17		SCREW 9/64-40 L= 6	1
18		FELT	1
19		FELT	1
20		OIL WICK	1
21		OIL TUBE	1
22		OIL TANK A	1
23		OIL TANK B	1
24		FELT	2
25		SCREW 11/64-40 L= 9.5	2
26		OIL WICK	1
27		UPPER FEED OIL STOPPER PLATE (B)	1
28		SCREW	2
29		WASHER 4.5X10X0.8	1
30		OIL WICK HOLDER	1
31		CLIP CV-70S	1
32		SPRING PIN 5X20	1
33		OIL WICK ASM.	1
34		OIL WICK ASM.	1
35		OIL WICK ASM.	1
36		OIL RESERVOR	1
37		HOLDER	2
38		SCREW 9/64-40 L= 6.5	1
39		SCREW 9/64-40 L= 6.5	3
40		HOLDER	4
41		SCREW 9/64-40 L= 6.5	4
42		OIL WICK	1
43		OIL WICK	1
44		FELT	1
45		OIL WICK ASM.	1

11.BELF COVER COMPONENTS



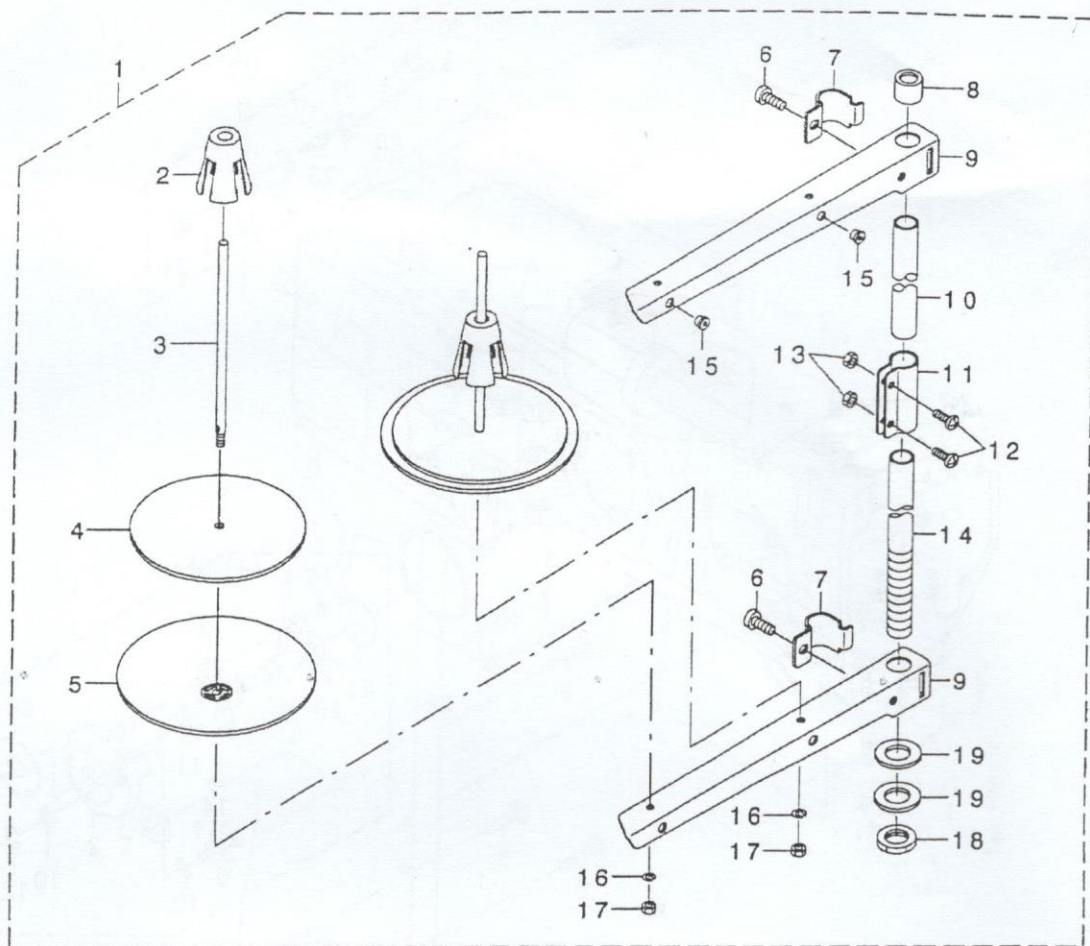
REF.NO	NOTE	DESCRIPTION	Qty
1		BELT COVER ASM.	1
2		BELT COVER (C)	1
3		DIRECTION LABEL	1
4		SCREW M4 L= 5	2
5		BELT COVER (A)	1
6		SCREW 15/64-28 L= 12	3
7		WASHER	3
8		SCREW 15/64-28 L= 12	2
9		BELT COVER (B)	1
10		SCREW 15/64-28 L= 12	1

12 .LOWER THREAD WINDER MECHANISM COMPONENTS



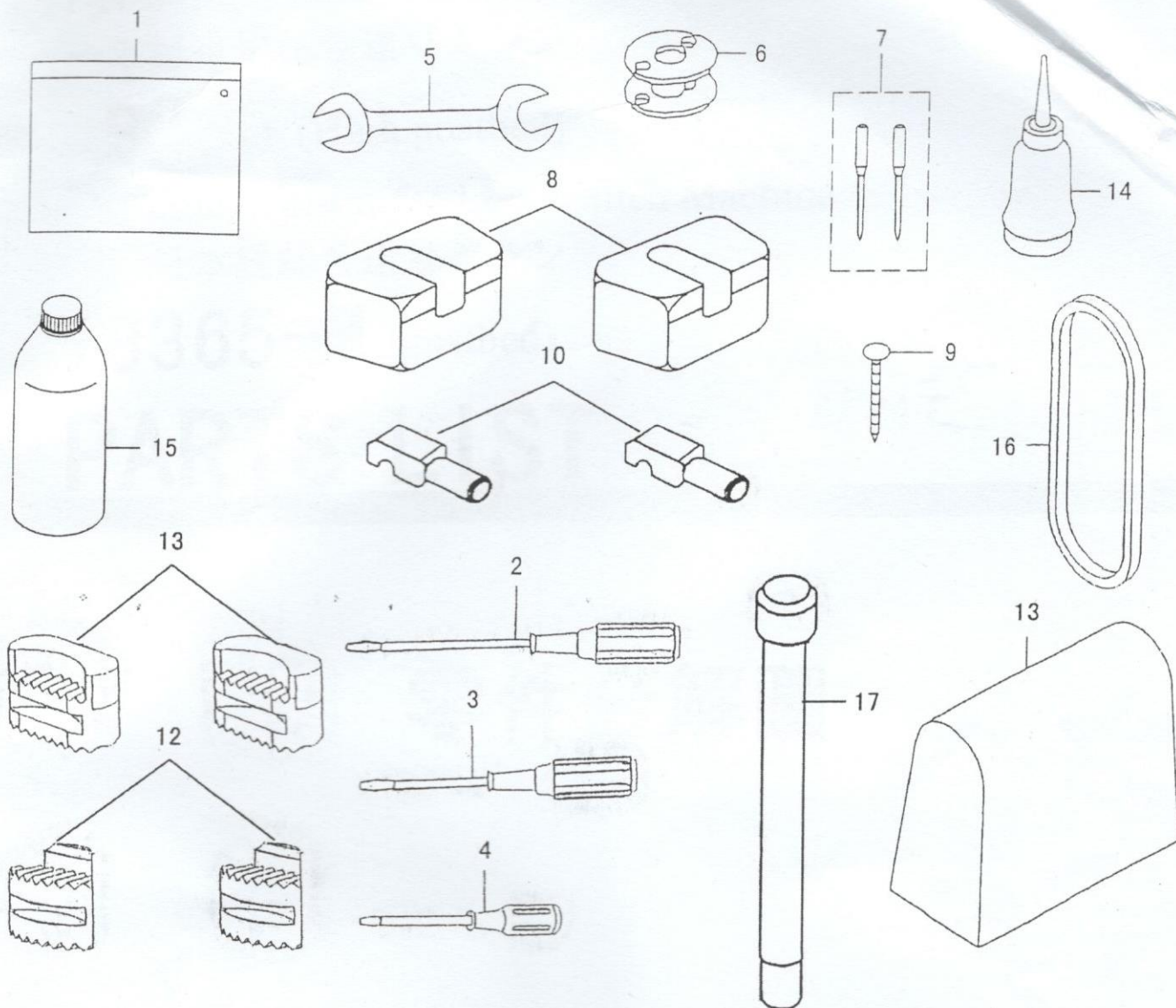
REF.NO	NOTE	DESCRIPTION	Qty
1		BOBBIN DEVICE ASM.	1
2		BOBBIN FITTING BASIS COMPL.	1
3		BOBBIN WINDER FRAME HING PIN	1
4		BOBBLE SHAFT COMPL ASM.	1
5		BOBBIN WINDER ARM	1
6		BOBBIN WINDER SPINDLE BUSHING	1
7		BOBBIN WINDER SPINDLE	1
8		BOBBIN CAM SHAFT	1
9		VERTICAL ROLLER WASHER	1
10		WASHER	1
11		BOBBIN CAM SHAFT COMPL.	1
12		E-RING	1
13		ADJUSTING PLATE	1
14		PRESSUR FOOT SPRING	1
15		SPRING	1
16		PETAINING RING	1
17		RUBBER RING	1
18		WASHER	1
19		BOBBIN WINDER SPINDER PULLEY	1
20		SCREW M4 L= 6	2
21		BOBBIN FRICTION GEAR	1
22		PACKING	1
23		BOBBIN FRICTION WHEEL	1
24		SCREW M5 L= 6	2
25		THREAD CUTTER	1
26		SCREW 9/64-40 L= 6	2
27		LOWER THREAD GUIDE ASM.	1
28		FITTING BASE	1
29		THREAD GUIDE	1
30		NUT 11/64-40	1
31		TENSION SPRING NO.1	1
32		BOBBIN WINDER TENSION DISC	2
33		THREAD TENSION POST	1
34		THREAD TENSION NUT	1
35		SCREW 11/64-40 L= 8	1
36		CUSHION	1
37		BOBBIN LEVER	1
38		SCREW 9/64-40 L= 13, 5	1
39		BOBBIN ADJUSTING PLATE	1
40		SCREW 9/64-40 L= 5	1
41		SCREW M4 L= 28	2

13. THREAD STAND COMPONENTS



REF.NO	NOTE	DESCRIPTION	Qty
1		SPOOL RETAINER	2
2		SPOOL PIN	2
3		SPOOL REST CUSHION	2
4		SPOOL REST	2
5		SCREW M6 L= 14	2
6		THREAD GUIDE ARM JOINT	2
7		SPOOL REST ROD RUBBER CAP	1
8		SPOOL REST ARM	2
9		SPOOL REST ROD , UPPER	1
10		SPOOL REST ROD JUINT	1
11		SCREW M5 L= 15	2
12		NUT M5	2
13		SPOOL REST ROD , LOWER	1
14		THREAD GUIDE	2
15		SPRING WASHER	2
16		NUT M5	2
17		NUT M5X1.5	1
18		WASHER 17X30X2.6	2

14. ACCESSORIES PARTS COMPONENTS



REF.NO	NOTE	DESCRIPTION	Qty
1		ACCESSORY BAG ASM.	1
2		SCREW DRIVER, LARGE	1
3		SCREW DRIVER, MIDDLE	1
4		SCREW DRIVER, SMALL	1
5		WRENCH (9X10)	1
6		BOBBIN	1
7		NEEDLE SY3355	1
8		RUBBER SPACER	2
9		CUSHION SET NAIL	2
10		HINGE ADM.	2
11		CUSHION	2
12		CUSHION	2
13		COVER	1
14		OILER	1
15		OIL TANK	1
16		V-BELT	1
17		MACHINE REST PIN	1