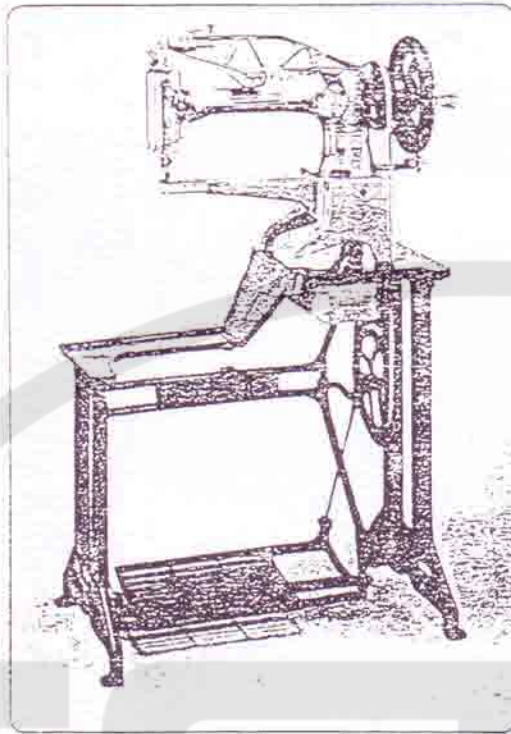


YAO HAN SINGER 29 K.

RHINCOEROS BRAND SHOE REPAIR MACHINE

MS-2971



單針雙線連鎖圓筒式之縫車，
是用來縫（修理）厚的物品
（皮革、橡膠、塑膠及帆布）
如鞋子、馬靴、拖鞋、袋子、
洋娃娃及鞋子底部或任何圓筒
狀的物品，同時亦極適用於來
縫帆布等管狀的東西。

規格說明：

針：HAX1 #14 #16
#18 DIX3

縫速：每分500針

針距：1~8mm

淨重：28kg

毛重：30kg

*Single needle lockstitch cylindrical
bed machine for sewing (repair)
extra heavy materials (leather,
rubber, plastic, canvas), shoes,
boots, slipper, bag, doll hand and
feet or any cylindrical goods, also
excellent for the stitching of
tubular work in leather, canvas etc.*

Specifications:

Needle: HAX1 #14 #16 #18 DIX3

Sewing speed: 500 stitches/min

Stitch length: 1-8mm

PARTS LIST FOR MACHINES SL-71

INSTRUCTIONS FOR ORDERING

To simplify ordering of parts, exploded views of the various sections of the mechanism are shown in the same illustration as the assembly of those parts. On the page opposite the illustration is a list of parts with key or reference numbers to indicate the position of that part in the illustration. These key numbers in the first column are for reference only and are not to be used in ordering parts.

In ordering from this list, use **ONLY** the **PART** number in the **SECOND** column.

The number stamped on a Sewing Machine Parts is the number of the single part only.

Every combination of parts sent out has its specific number which, although not stamped on Parts must be used when ordering the combination.

Each number always indicates the **SAME PART** in whatever list it appears, or for whatever Machine.

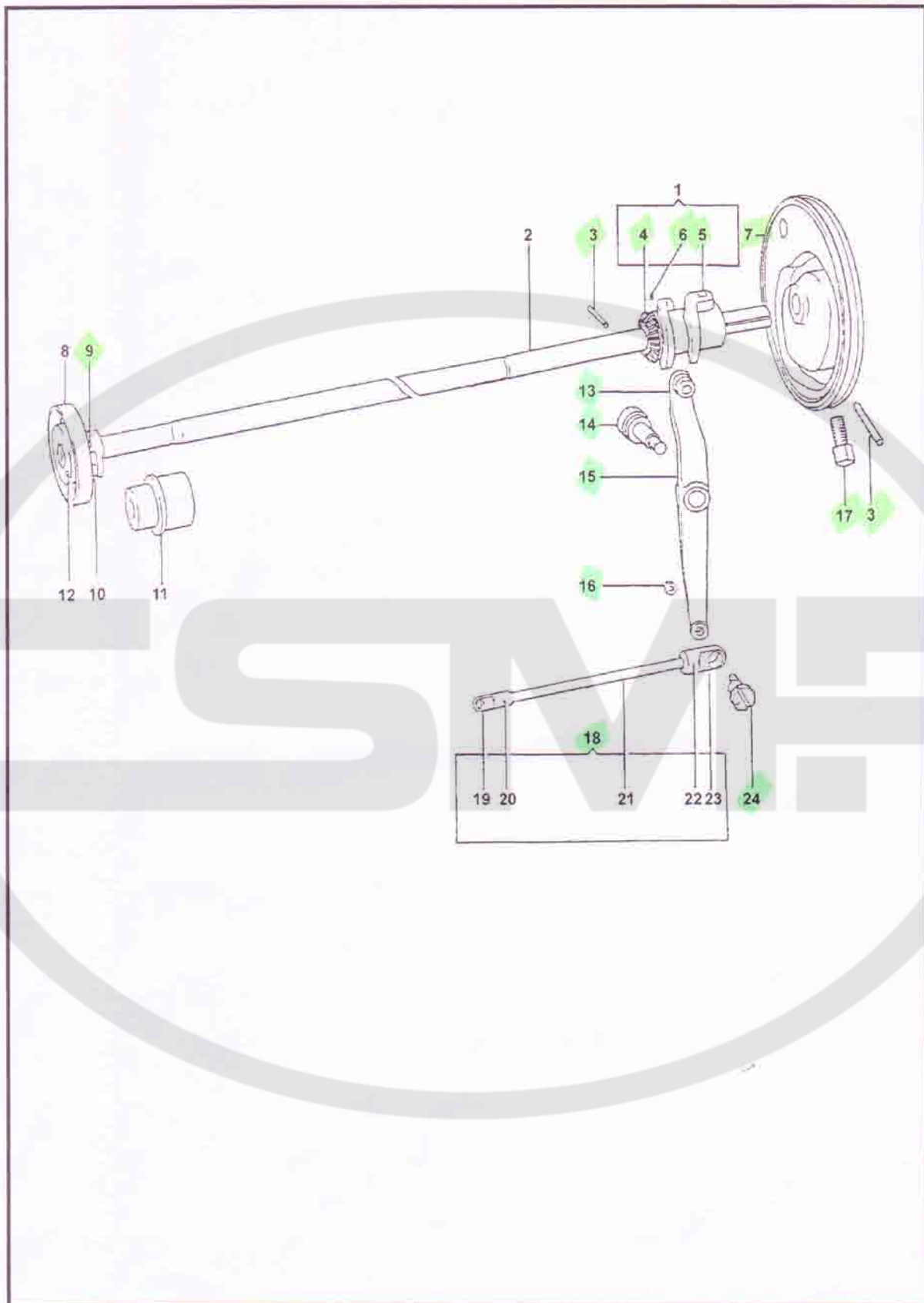
The letters after some of the numbers indicate the style of finish only, as follows:

- AL Heat Treated for Toughness.
- C Hardened only.
- D Polished only.
- E Soft, Not polished.
- F Hardened and Polished.
- H Blued.
- J Nickel Plated only.
- K Hardened and Nickel Plated.
- R Phosphate Coating Formed on surface of Iron or Steel.
- W Polished and Nickel Plated.

These letters **MUST BE USED** when they appear in the list and **AFTER** the number, as in the list.

Parts marked with an asterisk (*) are furnished only when repairs are made at the factory.

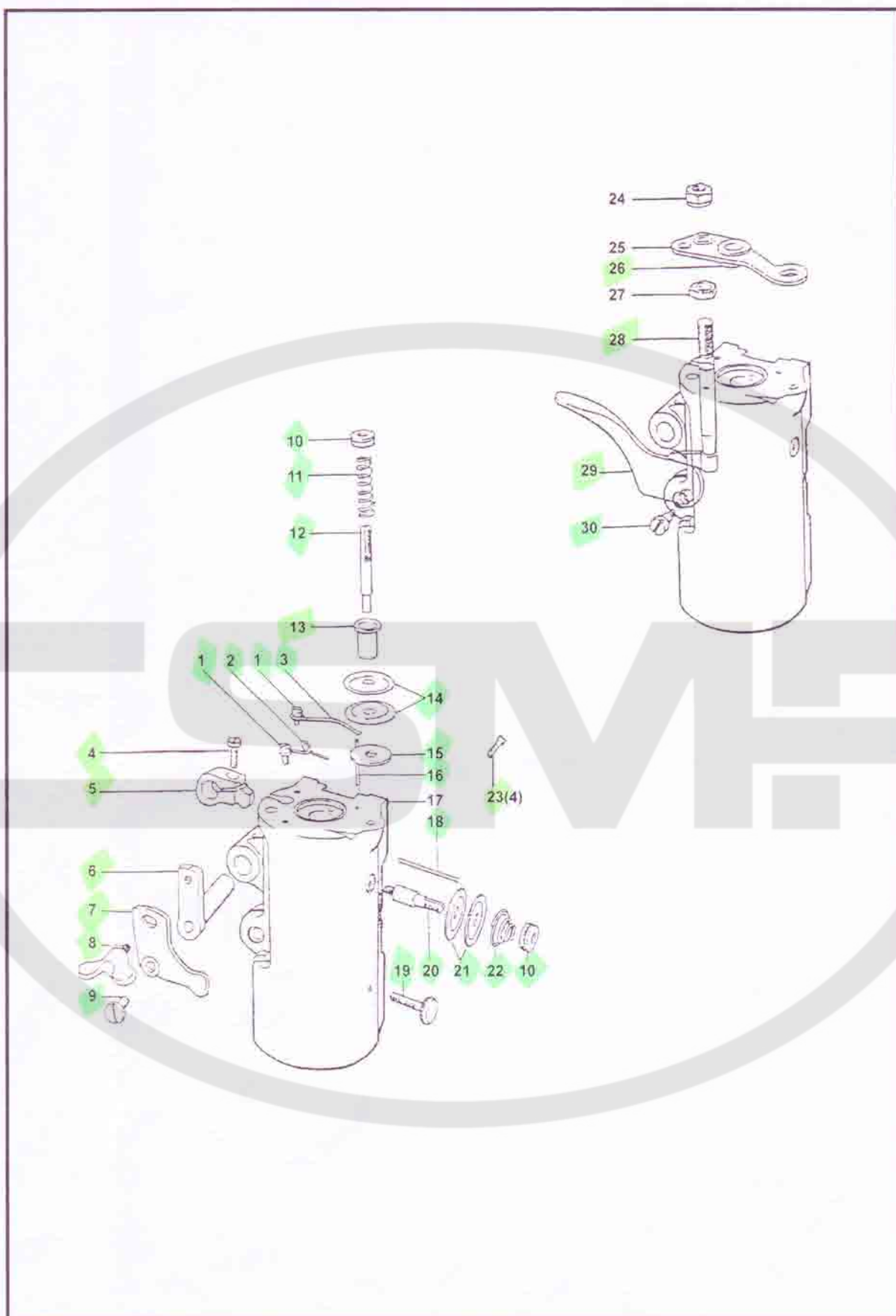
SHAFT, CAM WHEEL, SHUTTLE DRIVING LEVER, PULLEY WHEEL AND SHUTTLE DRIVING LEVER CONNECTING ROD ASSEMBLY



SHAFT, CAM WHEEL, SHUTTLE DRIVING LEVER, PULLEY WHEEL AND SHUTTLE DRIVING LEVER CONNECTING ROD ASSEMBLY

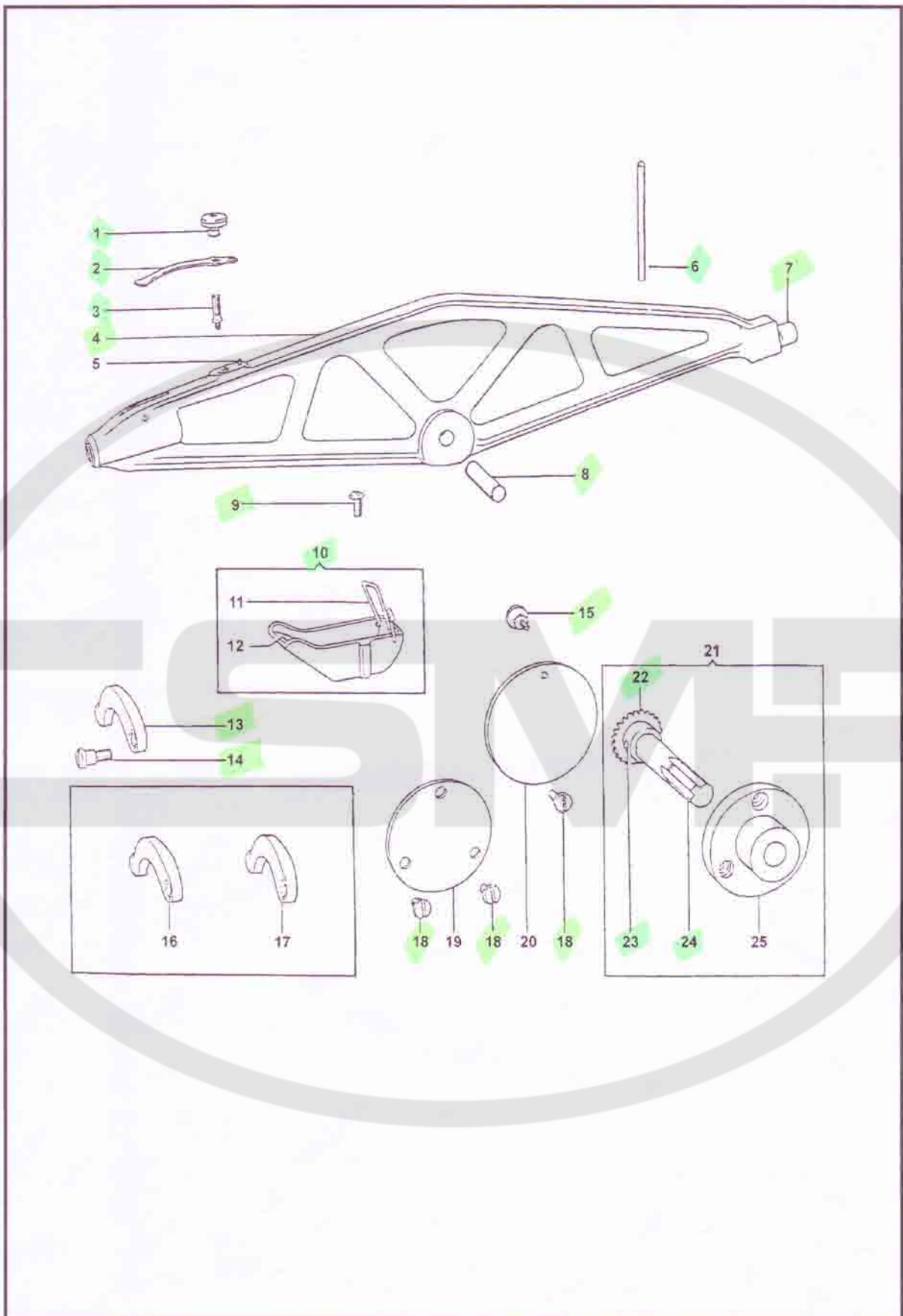
ITEM	PART NO.	DESCRIPTION
1	82122	SHUTTLE DRIVING CAM AND GEAR, NOS 81872 AND 82073
2	82010	SHAFT (SL-71 MACHINE)
3 ✓	3012	PIN
4 ✓	81872	GEAR
5 ✓	82073	SHUTTLE DRIVING CAM WITH SS235C
6 ✓	SS235C	SCREW
7	8861 8664	NEEDLE BAR CAM AND PULLEY WHEEL WITH 361C (SL-71 MACHINE)
8	82149	FEED MOTION CAM WHEEL WITH RR18 AND 81868
9 ✓	11663	CAM WHEEL PIN
10	RR18	ROLLER
11	4449	SHAFT BUSHING
12	81868	ROLLER PIN
13 ✓	1808	ROLLER AND STUD
14 ✓	SS572C	BEARING SCREW (SL-71 MACHINE)
15 ✓	82184	SHUTTLE DRIVING LEVER WITH 1808
16 ✓	1520R	ECCENTRIC STUD NUT
17 ✓	361C	CAM AND PULLEY WHEEL SET SCREW
18 ✓	82233	SHUTTLE DRIVING LEVER CONNECTING ROD COMPLETE, NOS. 8569, 8645, 82186, 82194 AND 82232 (SL-71 MACHINE)
19	82194	CONNECTING ROD END (FRONT)
20	8645	PIN (FRONT)
21	82232	CONNECTING ROD (SL-71 MACHINE)
22	8569	PIN (BACK)
23	82186	CONNECTING ROD END (BACK)
24 ✓	SS573C	ECCENTRIC STUD

HEAD OF MACHINE AND TENSIONS COMPLETE



HEAD OF MACHINE AND TENSIONS COMPLETE

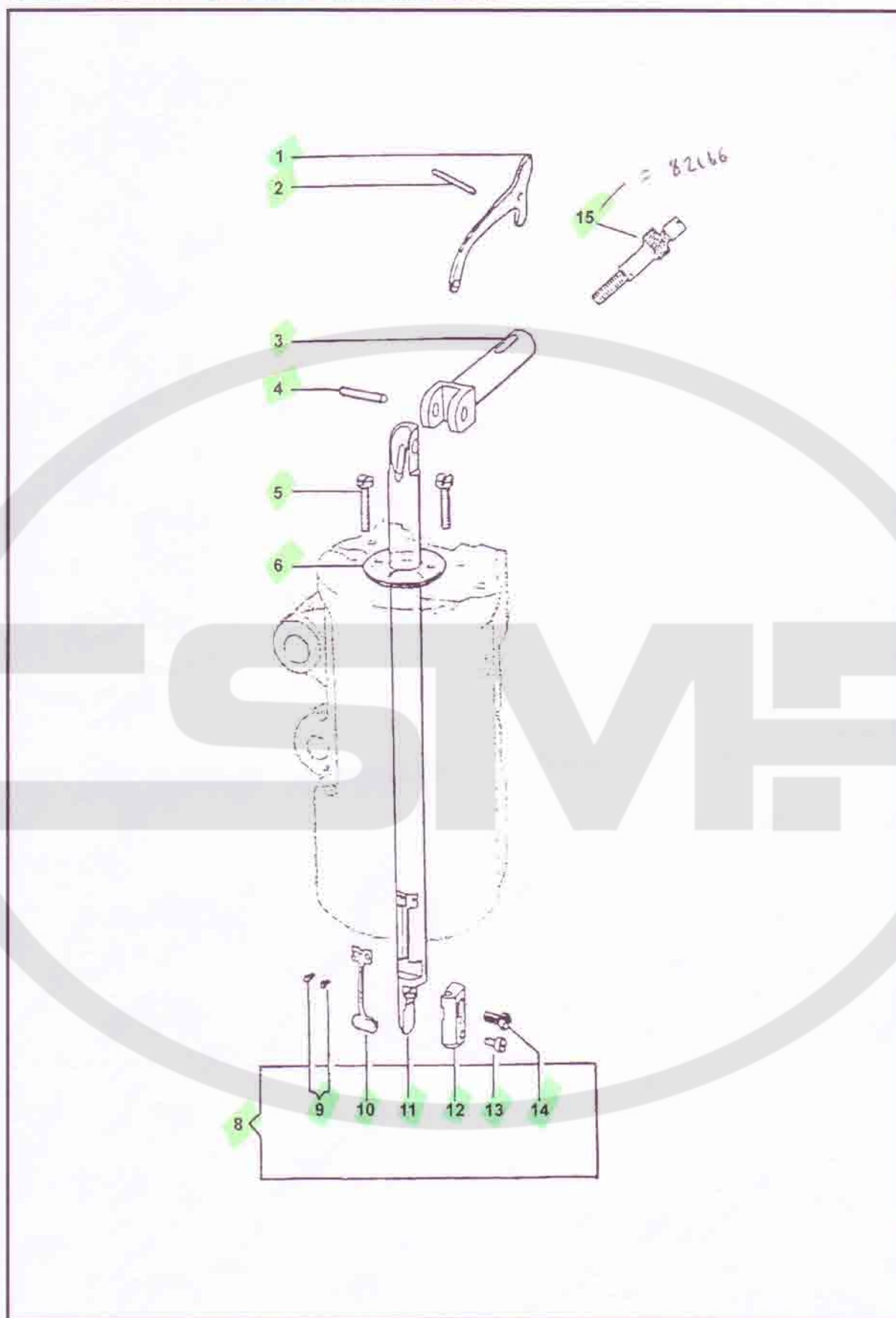
ITEM	PART NO.	DESCRIPTION
1 ✓	193F	SCREW
2 ✓	8620	THREAD EYELET (HEAD OF ARM)
3 ✓	8574	FRICTION SPRING
4 ✓	1177C	CLAMPING SCREW
5 ✓	82154	LIFTING LEVER SHAFT LEVER WITH 1177C
6 ✓	82153	LIFTING LEVER SHAFT
7 ✓	82155	LIFTING LEVER SHAFT ADJUSTING LEVER
8 ✓	515J	CLAMPING SCREW
9 ✓	648J	HINGE SCREW
10 ✓	1560W ✓	TENSION THUMB NUT (2)
11 ✓	8619	TENSION SPRING
12 ✓	668D	ADJUSTING STUD (TOP)
13 ✓	8617	CUP (RELEASE)
14 ✓	8618	DISC (2)
15 ✓	84113	WASHER (LEATHER)
16 ✓	8575	FRICTION SPRING PIN
17 ✓	82058	HEAD OF MACHINE
18 ✓	82116	THREAD GUIDE PIN (SIDE)
19 ✓	SS535W	HEAD REVOLVING BUSH STOP THUMB SCREW
20 ✓	* 413D	ADJUSTING STUD (SIDE)
21 ✓	2102	DISC (2)
22 ✓	2103	TENSION (SIDE) SPRING (SL-71 MACHINES)
23 ✓	128D	HEAD BINDING SCREW (4)
24 ✓	NN101J	SLIDE ROD LOCK NUT (UPPER)
25 ✓	82055	FOOT BAR REVOLVING JOINT BEARING
26 ✓	8569	HINGE PIN
27 ✓	NN96J	LOCK NUT (LOWER)
28 ✓	82056	SLIDE ROD
29 ✓	82059	LIFTER
30 ✓	66F	HINGE SCREW
31 ✓	8568	VIBRATING PRESSER LIFTING LEVER SHAFT ADJUSTING LEVER CLAMPING SCREW RIVET
32 ✓	33892	TENSION (SIDE) ADJUSTING STUD 413D WITH 1560W
33 ✓	82057	FOOT BAR REVOLVING JOINT COMPLETE, NOS. NN96J, NN101J, 82055 AND 82056



ARM SIDE COVERS, SHUTTLE DRIVING AND LIFTING LEVERS MACHINE NO. SL-71

ITEM	PART NO.	DESCRIPTION
1 ✓	NN105H	STUD NUT
2 ✓	82219	SPRING
3 ✓	418J	SPRING STUD
4 ✓	82220	NEEDLE BAR DRIVING LEVER WITH 1801 AND 82216
5	82216	SPRING STEADY PIN
6 ✓	8601	SPOOL PIN
7 ✓	1801	CAM ROLLER AND STUD
8 ✓	8586	JOINT PIN
9 ✓	327D	OIL CUP SCREW
10 ✓	8670	OIL CUP WITH 8597 AND 8695
11	8597	SPRING
12	8695	OIL PAD (CLOTH)
13 ✓	82150	VIBRATING PRESSER LIFTING LEVER (FOR MEDIUM WORK)
14 ✓	41D	LIFTING LEVER SCREW
15 ✓	51224W	THUMB SCREW
16	82151	LIFTING LEVER (FOR LIGHT WORK)
17 ✓	82152	LIFTING LEVER (FOR HEAVY WORK)
18 ✓	SS45E	HUB SCREW (3)
19	82034	ARM SIDE COVER (FRONT) FOR USE WHEN MACHINE IS FITTED WITH HAND WHEEL ON END OF SHAFT
20	4288	ARM SIDE COVER (BACK)
21	82121	HAND WHEEL HUB COMPLETE. NOS. 11663,81869,82008 AND 82052
22 ✓	81869	HAND WHEEL SHAFT GEAR
23 ✓	11663	GEAR PIN
24 ✓	82008	SHAFT
25	82052	HUB

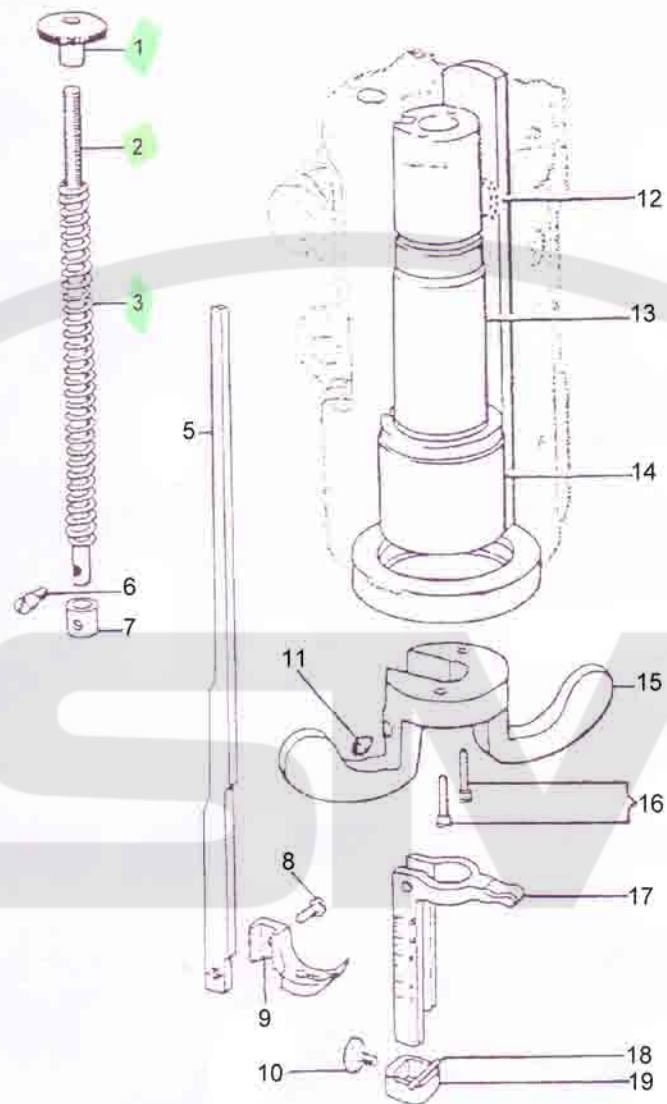
CHECK LEVER AND NEEDLE BAR COMPLETE



CHECK LEVER AND NEEDLE BAR COMPLETE

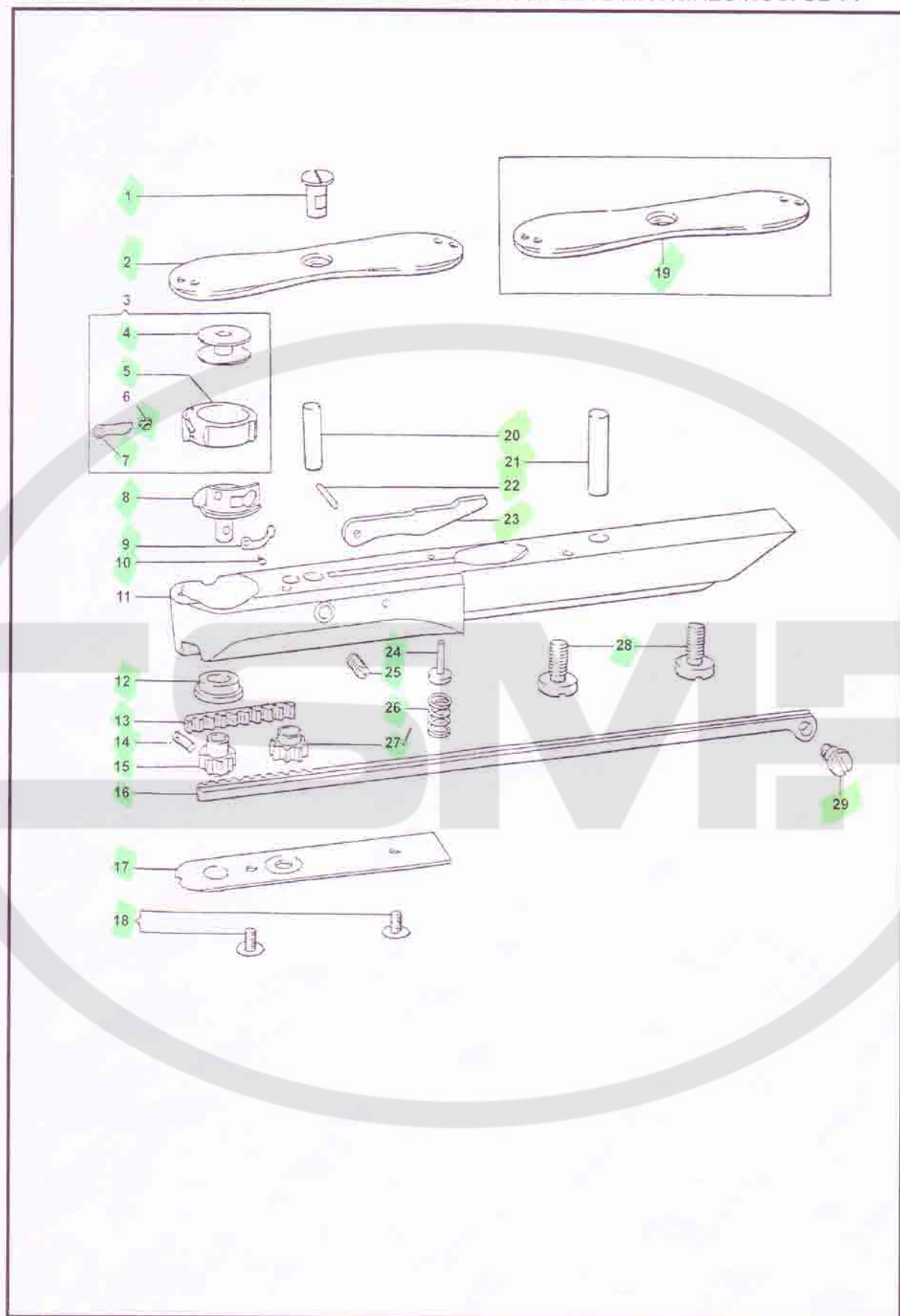
ITEM	PART NO.	DESCRIPTION
1 ✓	8659	CHECK LEVER
2 ✓	8554	JOINT PIN
3 ✓	82231	PISTON JOINT (SL-71 MACHINE)
4 ✓	8589	JOINT PIN
5 ✓	211D	WASHER SCREW (2)
6 ✓	8577	HEAD REVOLVING BUSH SUPPORTING WASHER
7 ✓	82166	CHECK LEVER THREAD TAKE-UP ADJUSTING SCREW
8 ✓	82031	NEEDLE BAR COMPLETE, NOS. SS50F, 8656, 81858, 82030 AND TWO SS133D (SL-71 MACHINE)
9 ✓	SS133D	SPRING SCREW (2)
10 ✓	8656 = 4-45	THREAD TENSION SPRING
11 ✓	82030 = 810-31	NEEDLE BAR (SL-71 MACHINES)
12 ✓	81858	NEEDLE BAR CLAMP WITH 237F (SL-71 MACHINES)
13 ✓	237F	NEEDLE CLAMPING SCREW
14 ✓	SS50F	CLAMP SCREW
15 ✓	46013 8-14-10	CHECK LEVER THREAD TAKE-UP ADJUSTING SCREW

FOOT BAR AND FOOT BAR REVOLVING JOINT



FOOT BAR AND FOOT BAR REVOLVING JOINT

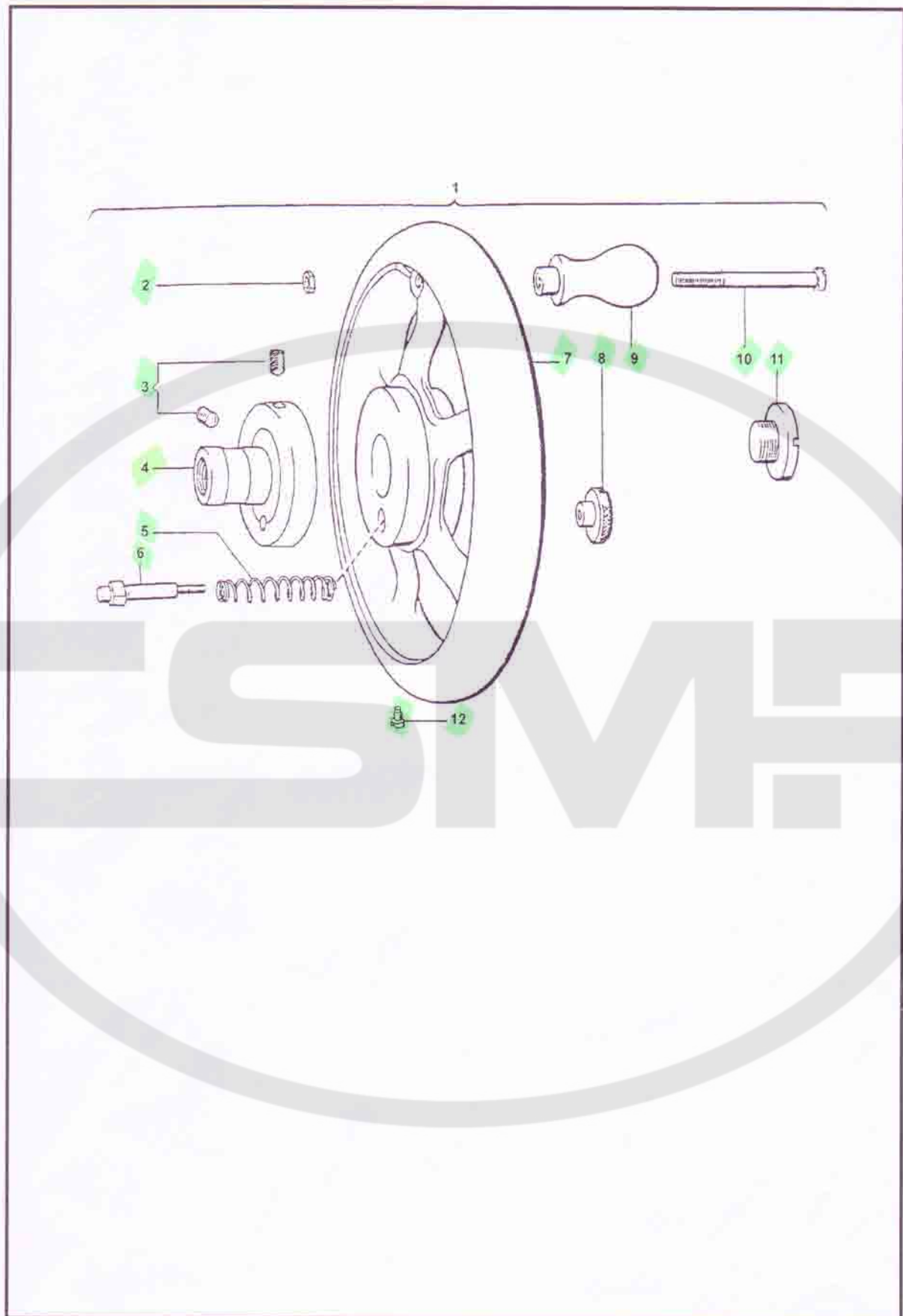
ITEM	PART NO.	DESCRIPTION
1 ✓	NN88W	ADJUSTING NUT
2 ✓	82130	SPRING BAR
3 ✓	82129	VIBRATING PRESSER SPRING (HEAVY)
4 ✓	82023/SL79	VIBRATING PRESSER SPRING (LIGHT) NOTE: SPRING NO. 82129 IS SUPPLIED WITH THESE MACHINES UNLESS OTHERWISE SPECIFIED ON ORDER.
5 ✓	8675	FOOT BAR
6 ✓	179E	COLLAR SCREW
7 ✓	82131	SPRING BAR COLLAR
8 ✓	193F	FEEDING FOOT SCREW
9 ✓	82007	FEEDING FOOT NOTE: FEEDING FOOT NO. 82007 IS SUPPLIED WITH MACHINES NOS. SL-71 UNLESS OTHERWISE SPECIFIED ON ORDER.
10 ✓	291W	STITCH REGULATOR THUMB SCREW
11 ✓	1816	ROLLER AND STUD
12 ✓	82053	SLIDE BAR WITH 1816
13 ✓	8573	REVOLVING BUSH
14 ✓	194E	JOINT SCREW (2)
15 ✓	82123	REVOLVING BUSH HANDLE
16 ✓	152F	HANDLE SCREW (2)
17 ✓	82167	BELL CRANK LEVER
18 ✓	82230	GIB
19 ✓	82188	STITCH REGULATOR



NEEDLE PLATES, GEAR BOX AND SHUTTLE COMPLETE MACHINES NOS. SL-71

ITEM	PART NO.	DESCRIPTION
1 ✓	82240	NEEDLE PLATE HINGE PIN
2 ✓	82235	NEEDLE PLATE (FINE AND MEDIUM NEEDLE HOLES)
3	8603	SHUTTLE COMPLETE, NOS. 862F, 8604, 8611 AND 8654
4 ✓	8604	BOBBIN
5 ✓	* 8654 = 8604	SHUTTLE BODY
6 ✓	862F	TENSION REGULATING SCREW
7 ✓	8611	TENSION SPRING
8 ✓	82177	SHUTTLE CARRIER WITH 241D AND 8610
9 ✓	8610	SPRING
10 ✓	241D	SPRING SCREW
11	* 82224	GEAR BOX
12 ✓	82179	PINION BUSHING
13 ✓	82176	RACK (SHORT)
14 ✓	SS571AL	PINION SCREW
15 ✓	82178	DRIVING PINION
16 ✓	82175	RACK (LONG)
17 ✓	82174	PINION COVER PLATE
18 ✓	1423J	PLATE SCREW (2)
19 ✓	82234	NEEDLE PLATE (MEDIUM AND COARSE NEEDLE HOLES)
20 ✓	82181	FOLLOWING PINION STUD
21 ✓	11661	GEAR BOX POSITION PIN
22 ✓	82063	RELEASING LEVER HINGE PIN
23 ✓	82173	RELEASING LEVER
24 ✓	82171	LOCATING PLUNGER
25 ✓	SS658	NEEDLE PLATE HINGE PIN BINDING SCREW
26 ✓	82172	PLUNGER SPRING
27 ✓	82180 ✓	FOLLOWING PINION
28 ✓	146J	GEAR BOX SCREW (2)
29 ✓	89E	CONNECTING ROD HINGE SCREW
	82226	SHUTTLE DRIVING GEAR BOX COMPLETE, NOS. SS571AL, 82063, 82171, 82172, 82173, 82174, 82175, 82176, 82177, 82178, 82179, 82180, 82181, 82224 AND TWO 1423J
	82242	SHUTTLE DRIVING GEAR BOX 82226 WITH SS658 AND 82240
	82244	SHUTTLE DRIVING GEAR BOX 82224 WITH 82179 AND 82181 (FOR AGENTS ONLY)
	82245	SHUTTLE DRIVING GEAR BOX 82244 WITH SS258 AND 82240 (FOR AGNETS ONLY)

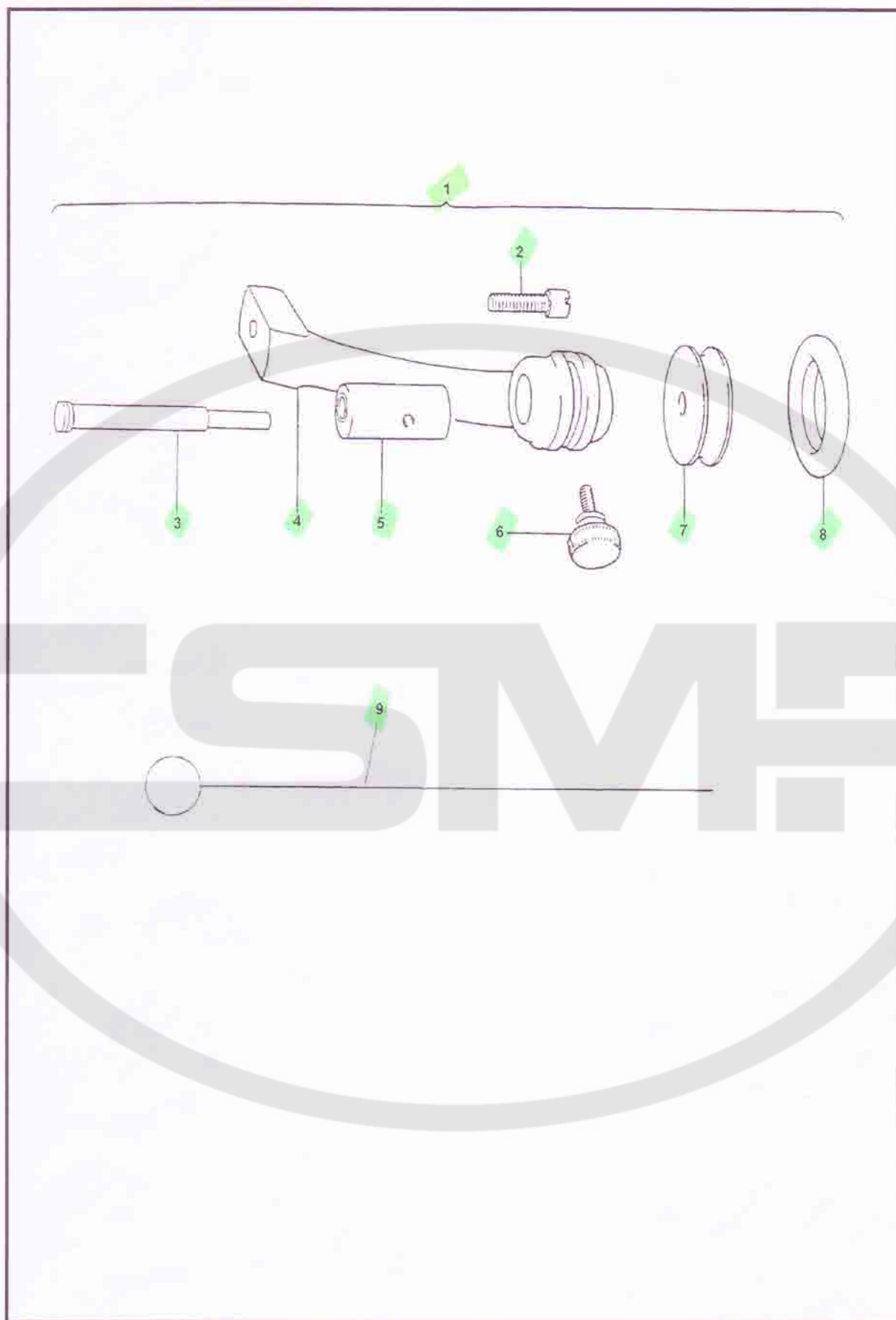
HAND WHEEL AND STOP MOTION COMPLETE



HAND WHEEL AND STOP MOTION COMPLETE

ITEM	PART NO.	DESCRIPTION
1	82163	HAND WHEEL AND STOP MOTION COMPLETE, NOS. NN98R, SS135D, SS569C, 761C, 1519E, 81866, 82159, 82160, 82161 AND 82162
2 ✓	1519E	NUT
3 ✓	434C	BINDING SCREW (2)
4 ✓	82160	HAND WHEEL STOP MOTION FLANGED BUSHING WITH TWO 434C
5 ✓	82162	SPRING
6 ✓	82161	STOP MOTION PLUNGER
7 ✓	82159	HAND WHEEL
8 ✓	NN98R	PLUNGER THUMB NUT
9 ✓	81866	HANDLE (WOOD)
10 ✓	SS135D	SPINDLE
11 ✓	SS569C	RETAINING SCREW
12 ✓	761C	PLUNGER STOP SCREW

BOBBIN WINDER COMPLETE



BOBBIN WINDER COMPLETE

ITEM	PART NO.	DESCRIPTION
1 ✓	82087	BOBBIN WINDER COMPLETE, NOS. 128D, SS469W, 2460, 8684, 81965 AND 82086
2 ✓	128D	FRAME SCREW
3 ✓	8651	SPINDLE
4 ✓	82086	FRAME
5 ✓	8684	ECCENTRIC
6 ✓	SS469W	ECCENTRIC THUMB SCREW
7 ✓	8371	PULLEY
8 ✓	2460	RUBBER RING
9	81965	SPINDLE 8651 WITH 8371