

SINGER

**993BX3,B3,BX10,B10,BX43,B43,BX50
B50**

Parts List

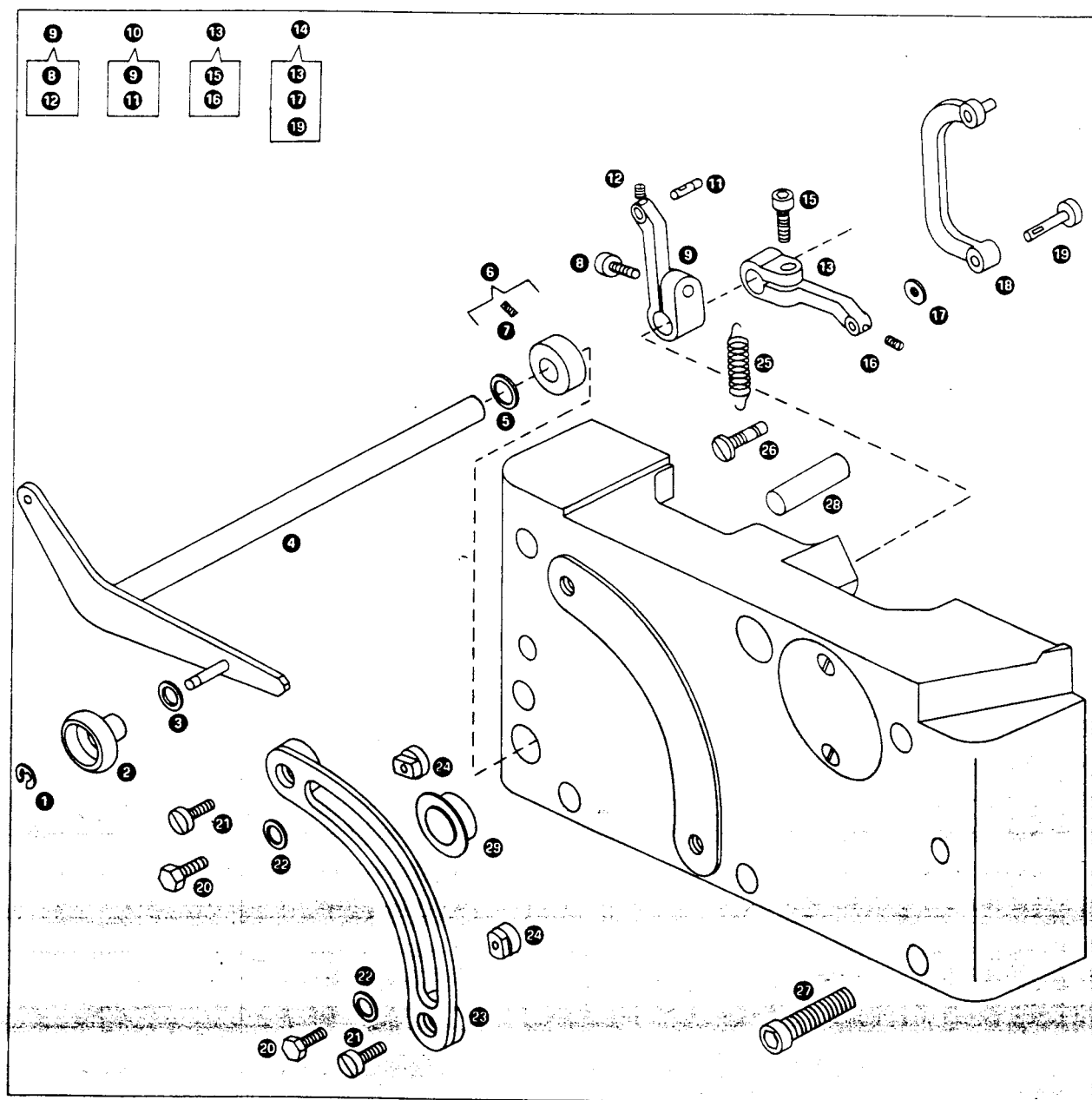
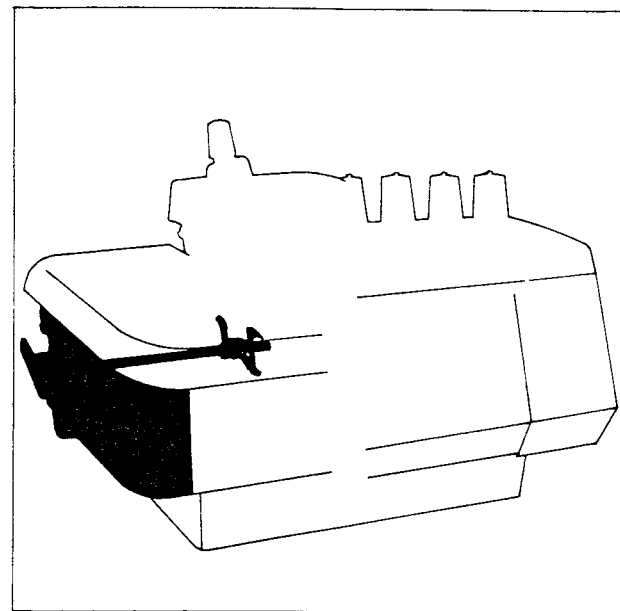
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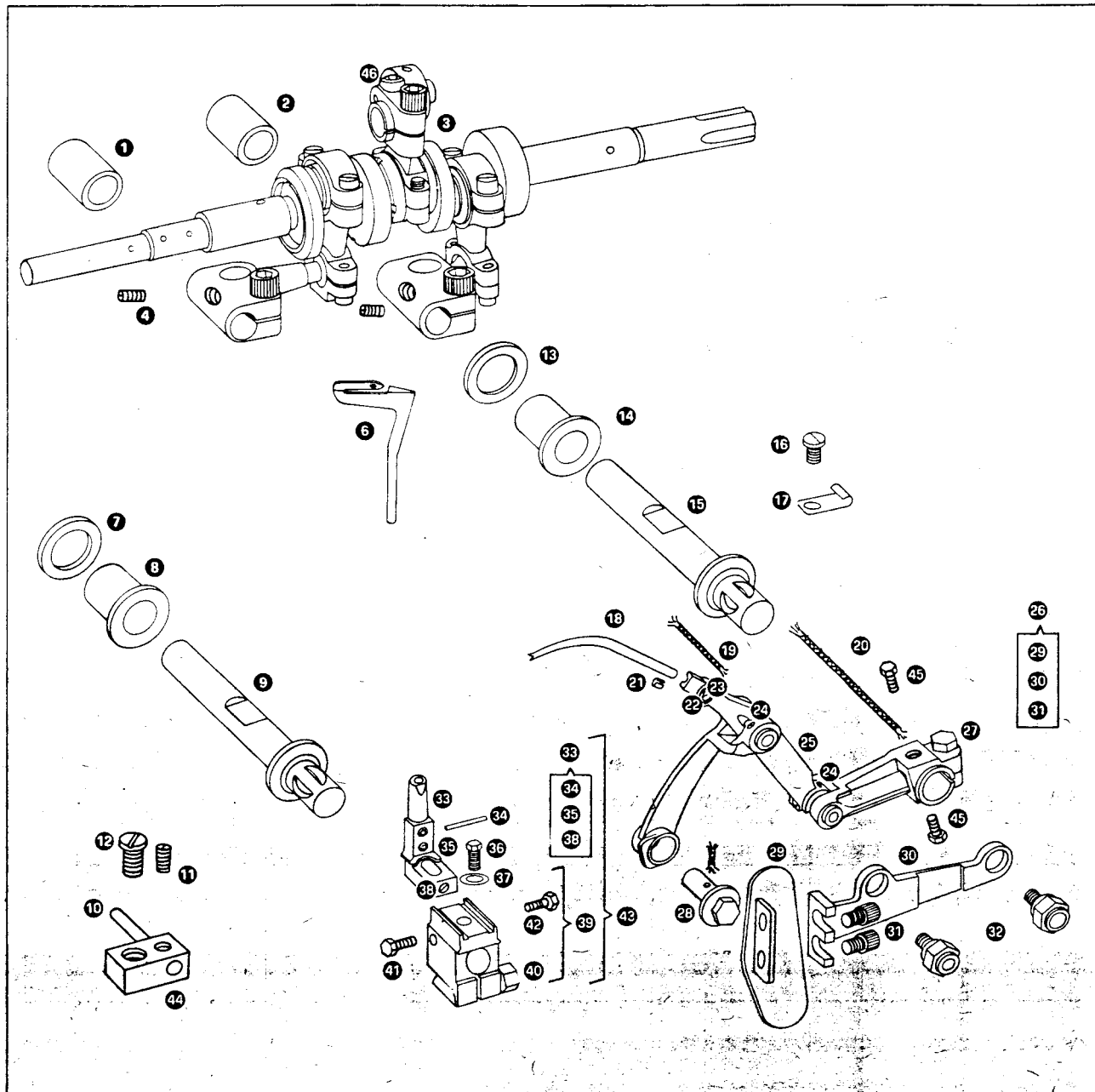
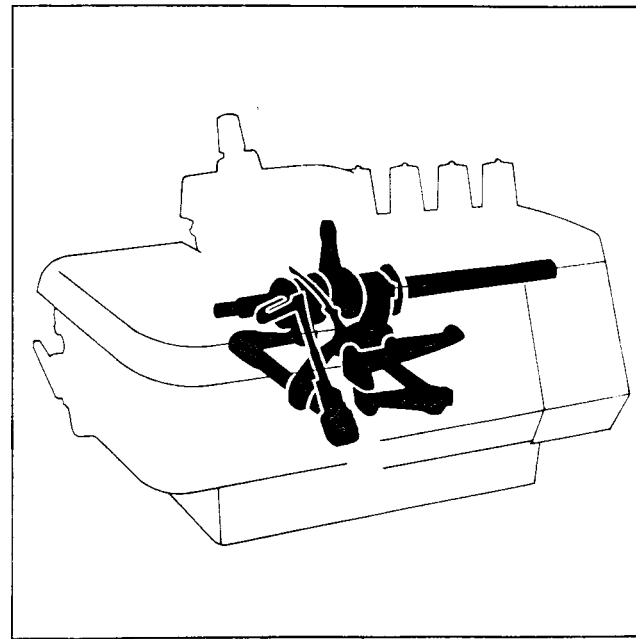
Parts List for 993BX3 Machine

Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	108225	Differential Feed Regulating Lever Thumb Nut Retainer	
2	113194	Differential Feed Regulating Lever Thumb Nut	
3	59456(891)	Differential Feed Regulating Lever Thumb Nut Washer	
4	107857	Differential Feed Regulating Lever	
5	107965	Differential Feed Regulating Lever Shaft Oil Ring	
6	107870	Differential Feed Regulating Lever Shaft Collar with 141292(869)	
7	141292(869)	Differential Feed Regulating Lever Shaft Collar Set Screw	
8	114134(869)	Differential Feed Regulating Lever Return Spring Arm Clamping Screw	
9	108132	Differential Feed Regulating Lever Return Spring Arm with 114134(869) and 141292(869)	
10	108134	Differential Feed Regulating Lever Return Spring Arm 108132 with 108135	
11	108135	Differential Feed Regulating Lever Return Spring Arm Pin	
12	141292(869)	Differential Feed Regulating Lever Return Spring Arm Pin Set Screw	
13	108012	Differential Feed Driving Arm with 114134(869) and 141292(869)	
14	108075	Differential Feed Driving Arm 108012 with 9525 and 107868	
15	114134(869)	Differential Feed Driving Arm Clamping Screw	
16	141292(869)	Differential Feed Driving Arm Stud Set Screw	
17	9525	Differential Feed Driving Arm Stud Washer	
18	108336	Differential Feed Driving Arm Connecting Link	
19	107868	Differential Feed Driving Arm Stud	
20	1209(892)	Differential Feed Regulating Lever Stop Screw	2
21	704(892)	Differential Feed Regulating Plate Securing Screw	2
22	131695(892)	Differential Feed Regulating Lever Stop Screw Washer	2
23	107859	Differential Feed Regulating Plate	
24	107854	Differential Feed Regulating Lever Stop	2
25	108145	Differential Feed Regulating Lever Return Spring	
26	108133	Differential Feed Regulating Lever Return Spring Anchor Pin	
27	350687(869)	Machine Frame End Cover Securing Screw	6
28	165373	Machine Frame End Cover Dowel Pin	2
29	108373	Machine Frame End Cover Hole Plug	



Parts List for 993BX3 Machine

Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	106477	Looper (left hand) Driving Shaft Bushing (back)	
2	106477	Looper (right hand) Driving Shaft Bushing (back)	
3		Machine Frame Rotary Shaft with Looper (left and right hand) and Needle Driving Shafts Crank Connections. Note: The major components of this mechanism are selectively mated. Therefore only a complete replacement mechanism will be supplied from Clydebank Factory should any of the major components require replacement. However the Needle Driving Shaft Crank Clamping Screw No. 114091(869), the Looper Shafts Crank Clamping Screws No. 114092(803), the Crank Connections Cap Screws (lower) No. 171(830), Crank Connections Cap Screws (upper) No. 140159(830) and the Rotary Shaft Oil Metering Pin No. 107037 can be supplied and fitted as replacements without disturbing the selective mating of the major components.	
4	140930(869)	Looper (left hand) Driving Shaft Crank Position Screw	
5	140930(869)	Looper (right hand) Driving Shaft Crank Position Screw	
6	106473	Looper (left hand)	
7	164053	Looper (left hand) Driving Shaft Crank Thrust Bearing	
8	106478	Looper (left hand) Driving Shaft Bushing (front)	
9	108917	Looper (left hand) Driving Shaft	
10	108371	Looper (left hand) Thread Tube (lower)	
11	853(830)	Looper (left hand) Thread Tube (lower) Set Screw	
12	51369(803)	Looper (left hand) Thread Tube (lower) Holder Screw	
13	164053	Looper (right hand) Driving Shaft Crank Thrust Bearing	
14	106492	Looper (right hand) Driving Shaft Bushing (front)	
15	108919	Looper (right hand) Driving Shaft with 106494	
16	225(819)	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Wick Clip Screw	
17	20822	Looper (right hand) Carrier Connecting Link Adjusting Sleeve Wick Clip	
18	87027	Looper (right hand)	
19	132584	Looper (right hand) Carrier Connecting Link Hinge Pin Oil Wick	
20	106494	Looper (right hand) Driving Shaft Oil Wick	
21	101970	Looper (right hand) Position Coilar	
22	164068	Looper (right hand) Locking Screw Stud	
23	1700(809)	Looper (right hand) Locking Screw Stud Nut	
24	109927(869)	Looper (right hand) Carrier Connecting Link Hinge Pin Set Screw	
25	108925	Looper (right hand) Four-Bar Linkage Mechanism Note: The major components of this mechanism are selectively mated. Therefore only a complete replacement mechanism will be supplied from Clydebank Factory should any of the major components require replacement.	
26	106497	Looper (right hand) Four-Bar Linkage Mechanism Stabiliser with 106498 and two 350680(869)	
27	1083(830)	Looper (right hand) Driving Lever Clamping Screw	
28	109795(803)	Looper (right hand) Carrier Connecting Link Adjusting Screw (front)	
29	106496	Looper (right hand) Four-Bar Linkage Mechanism Stabiliser	
30	106498	Looper (right hand) Four-Bar Linkage Mechanism Stabiliser Support Bracket	
31	350680(869)	Looper (right hand) Four-Bar Linkage Mechanism Stabiliser Screw	2
32	114136	Looper (right hand) Four-Bar Linkage Mechanism Stabiliser Securing Screw	2
33	164046	Looper (left hand) Carrier with 141292(869), 114224(869) and 164202	
34	164202	Looper (left hand) Stop Pin	
35	114224(869)	Looper (left hand) Set Screw	2
36	1324(803)	Looper (left hand) Carrier Screw	
37	59456	Looper (left hand) Carrier Washer	
38	141292(869)	Looper (left hand) Carrier Set Screw	2
39	164660	Looper (left hand) Carrier Holder with 1083(830), 140393(830) and 140596(836)	
40	1083(830)	Looper (left hand) Carrier Holder Clamping Screw	
41	140596(830)	Looper (left hand) Carrier Holder Set Screw (left)	
42	140393(830)	Looper (left hand) Carrier Holder Set Screw (right)	
43	164661	Looper (left hand) Carrier Holder 164660 with 1324(803), 59456 and 164046	
44	108612	Looper (left hand) Thread Tube (lower) Holder with 853(830)	
45	1209(830)	Looper (right hand) Driving Lever Clamping Screw	2
46	114133	Needle Driving Shaft Crank Position Screw	

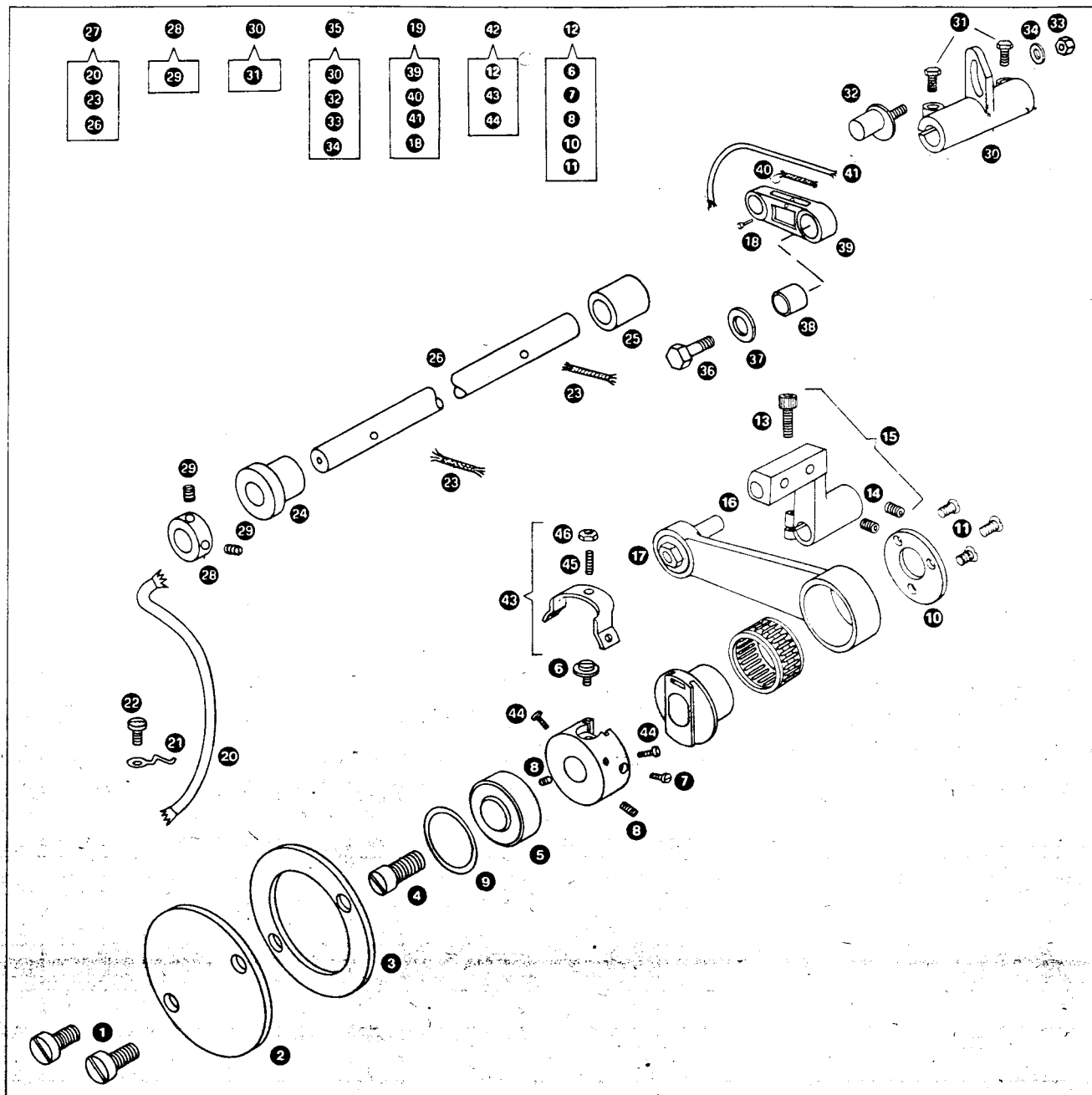
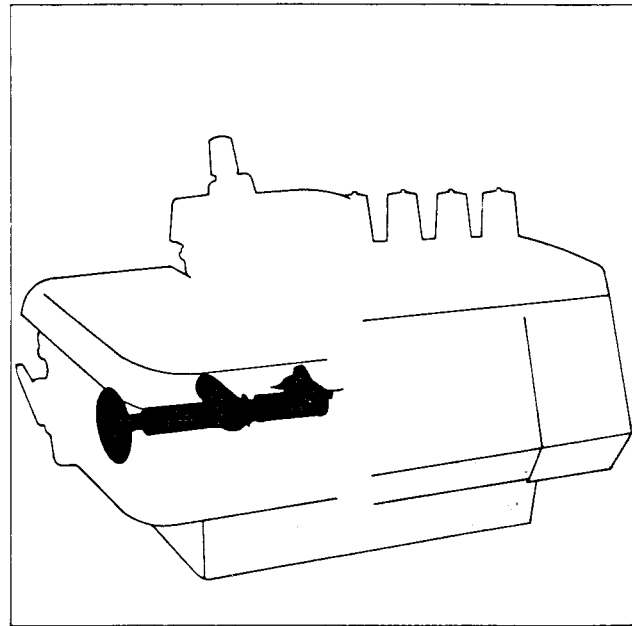


Parts List for 993BX3 Machine

Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	165303	Feed Bar Hinge Pin (eccentric) Collar with 141292(869)	
2	141292(869)	Feed Bar Hinge Pin (eccentric) Collar Set Screw	
3	165301	Feed Bar Hinge Pin (eccentric) with 141292(869)	
4	141292(869)	Feed Bar Hinge Pin (eccentric) Set Screw	
5	164004	Feed Bar Slide Block (back)	2
6	165305	Feed Bar Hinge Pin (eccentric) Positioning Pin	
7	208(830)	Feed (front) Bar Driving Arm Slide Block Plate Screw	2
8	236(806)	Machine Frame Oil Splash Guard Securing Screw (upper)	
9	107176	Machine Frame Oil Splash Guard (top)	
10	1231(818)	Machine Frame Oil Splash Guard (top) Screw	2
11	350606	Feed (front) Bar Driving Arm Screw	
12	108609	Machine Frame Oil Splash Guard complete	
13	108502	Feed (back) Bar Guide Pin	
14	107970	Feed (back) Bar Guide Bracket	
15	157(830)	Feed (back) Bar Guide Bracket Screw	2
16	141292(869)	Feed (back) Bar Guide Pin Securing Screw	
17	108089	Feed (back) Bar Guide Bracket 107970 with 108502 and two 157(830)	
18	165306	Feed (back) Bar	
19	165326	Feed (front) Bar	
20	108141	Feed (back) and (front) Bars complete Nos. 165135, 165301, 165303, 165305, 165306, 165326 and two 164004	
21	115179	Feed (front) Bar Connection with 165259, 165330 and two 165311	
22	165330	Feed (front) Bar Connection Oil Wick (short)	
23	165259	Feed (front) Bar Connection Oil Wick (long)	
24	165311	Feed (front) Bar Connection Oil Wick Retaining Pin	2
25	141292(869)	Feed Bar Hinge Pin (eccentric) Positioning Pin Set Screw	
26	792(804)	Machine Frame Oil Splash Guard Securing Screw (lower)	
27	9525	Feed (front) Bar Connection Screw Washer	
28	114172(803)	Feed (front) Bar Connection Screw	
29	107829	Feed (front) Bar Wearing Plate	
30	1094(806)	Feed (front) Bar Wearing Plate Screw	
31	165135	Feed Bar Slide Block (front)	
32	107185	Feed Lifting Eccentric	
33	164019	Feed (front) Dog	
34	1454(806)	Feed (front) Dog Screw	
35	164011	Feed (back) Dog Section (left)	
36	108227	Feed (back) Dog Section (right)	
37	1100(830)	Feed (back) Dog Section (right) Screw	
38	108229	Feed (back) Dog complete Nos. 1100(830), 164011 and 108227	
39	1454(806)	Feed (back) Dog Screw	
40	87279	Feed Lifting Eccentric Position Collar with 50150(819)	
41	50150(819)	Feed Lifting Eccentric Position Collar Screw	

Parts List for 993BX3 Machine

Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	704(809)	Machine Frame Rotary Shaft Bearing (left) Cover Screw	2
2	107953	Machine Frame Rotary Shaft Bearing (left) Cover	
3	108013	Machine Frame Rotary Shaft Bearing (left) Cover Gasket	
4	168(803)	Machine Frame Rotary Shaft Extension Screw	
5	165399	Machine Frame Rotary Shaft Bearing (left)	
6	51145(803)	Feed Eccentric (adjustable) Slide Journal Adjusting Screw	
7	1445(830)	Feed Eccentric (adjustable) Slide Journal Locking Screw	
8	350656(869)	Feed Eccentric (adjustable) Set Screw	2
9	108483	Machine Frame Rotary Shaft Bearing (left) Retaining Ring	
10	165323	Feed Eccentric (adjustable) End Washer	
11	51302(806)	Feed Eccentric (adjustable) End Washer Securing Screw	3
12	108087	Feed Eccentric (adjustable) 1445(803), 51145(803), 165323, two 350656 and three 51302(806)	
13	350606	Feed Driving Arm Clamp Screw	
14	141292(869)	Feed Driving Arm Pin Securing Screw	2
15	115254	Feed Driving Arm with 350606 and two 141292(869)	
16	115256	Feed Driving Arm Pin	
17	1628(809)	Feed Driving Arm Pin Nut	
18	165311	Feed (back) Bar Connection Oil Wick Retaining Pin	
19	165308	Feed (back) Bar Connection 165307 with 165259, 165310 and 165311	
20	165350	Feed Driving Shaft Oil Wick	
21	108232	Feed Driving Shaft Oil Wick Clip	
22	704(819)	Feed Driving Shaft Oil Wick Clip Securing Screw	
23	165349	Feed Driving Shaft Cross Oil Wick	2
24	165351	Feed Driving Shaft Bushing (left)	
25	107827	Feed Driving Shaft Bushing (right)	
26	165347	Feed Driving Shaft	
27	165348	Feed Driving Shaft 165347 with 165350 and two 165349	
28	108160	Feed Driving Shaft Position Collar with two 114224(869)	
29	114224(869)	Feed Driving Shaft Position Collar Set Screw	2
30	115255	Feed (back) Bar Driving Arm with two 51408(830)	
31	51408(830)	Feed (back) Bar Driving Arm Clamping Screw	2
32	165315	Feed (back) Bar Driving Arm Eccentric Stud	
33	1628(809)	Feed (back) Bar Driving Arm Eccentric Stud Nut	
34	17022	Feed (back) Bar Driving Arm Eccentric Stud Nut Washer	
35	115263	Feed (back) Bar Driving Arm 115255 with 1628(809), 17022 and 165315	
36	141420(803)	Feed (back) Bar Connection Screw	
37	131695	Feed (back) Bar Connection Screw Washer	
38	165309	Feed (back) Bar Connection Bushing	
39	165307	Feed (back) Bar Connection	
40	165310	Feed (back) Bar Connection Oil Wick (short)	
41	165259	Feed (back) Bar Connection Oil Wick (long)	
42	108890	Feed Eccentric (adjustable) and Stop Plate complete 108087 with 108891 and two 185(803)	
43	108891	Feed Eccentric (adjustable) Stop Plate with 1735(813) and 50429(830)	
44	185(803)	Feed Eccentric (adjustable) Stop Plate Screw	2
45	50429(830)	Feed Eccentric (adjustable) Stop Screw	
46	1735(813)	Feed Eccentric (adjustable) Stop Screw Nut	



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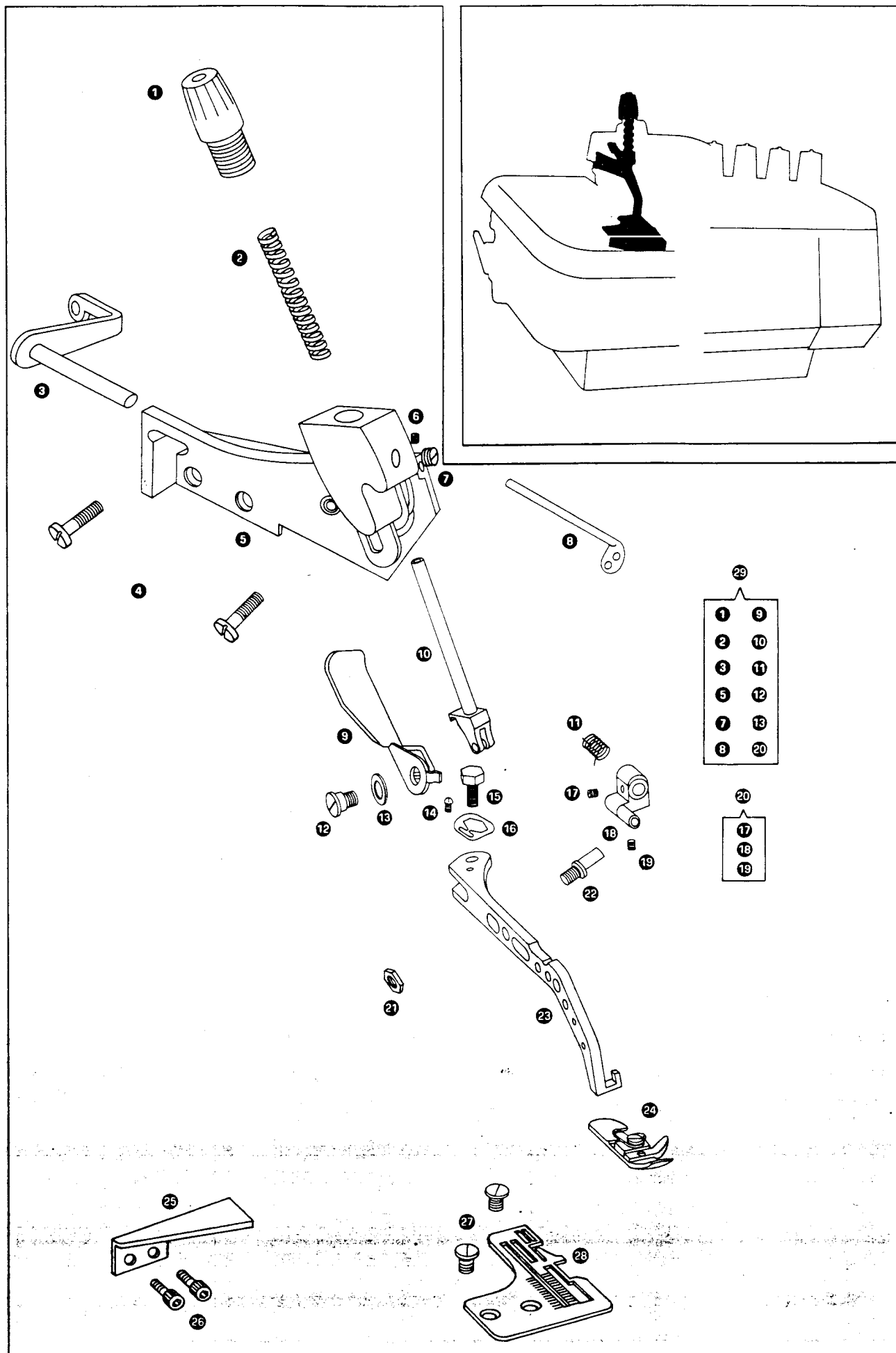
Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	107161	Presser Bar Bracket	
2	440(830)	Knife (movable) Lever Hinge Stud Set Screw	
3	106466	Knife (movable) Lever Hinge Stud	
4	107575	Knife (movable) Lever with two 141292(869)	
5	141292(869)	Knife (movable) Lever Hinge Pin Screw	2
6	1259(830)	Knife (movable) Lever Bearing and Attachment Bracket Screw	
7	87029	Knife (movable) Lever Bearing and Attachment Bracket	
8	87262	Knife (movable) Lever Bearing and Attachment Bracket 87029 with 1259(830)	
9	447(830)	Knife (movable) Lever Bearing Set Screw (long)	
10	624(830)	Knife (movable) Lever Bearing Set Screw (short)	
11	107192	Knife (movable) Lifting Lever Retaining Washer and Oil Sling	
12	51302(806)	Knife (movable) Eccentric End Washer Securing Screw	2
13	107832	Knife (movable) Lifting Lever with 114224(869)	
14	1628(809)	Knife (movable) Lever Hinge Pin Bearing Lock Nut	
15	107188	Knife (movable) Lever Hinge Pin	
16	108213	Knife (movable) Eccentric End Washer	
17	108071	Knife (movable) Lever 107575 with 1628(809), 106466, 107161, 107188 and 107832	
18	447(830)	Knife (movable) Lever Guide Set Screw	
19	106464	Knife (movable) Lever Guide	
20	106454	Knife (movable) Holder Adjusting Stud Block with 114072	
21	114072	Knife (movable) Holder Screw Stud	
22	106132	Knife (movable) Holder	
23	198(819)	Knife (movable) Holder Screw	
24	164550	Knife (movable)	
25	165487	Knife (movable) Guard (upper)	
26	106452	Knife (movable) Guard (lower)	
27	1628(819)	Knife (movable) Holder Screw Stud Nut	
28	50611(803)	Knife (stationary) Holder Position Screw	2
29	164745	Knife (stationary) Holder Body with two 50611(803)	
30	141444(831)	Knife (stationary) Holder Screw	
31	164043	Knife (stationary) Holder Spring	
32	164525	Knife (stationary) Holder Spring Stud	
33	165062	Knife (stationary) Holder	
34	164728	Knife (stationary)	
35	164744	Knife (stationary) Clamping Gib	
36	114224(869)	Knife (movable) Eccentric Set Screw	
37	114032(832)	Knife (stationary) Clamping Gib Screw	
38	165063	Knife (stationary) Holder (adjustable) complete, Nos. 165062 141444(831) and 164745	
39	165064	Knife (stationary) Holder (adjustable) with Gib complete, Nos. 3146, 114032(832), 165063 and 164744	
40	141004(830)	Knife (stationary) Holder Locking Screw	
41	106472	Knife (stationary) Holder Sleeve	
42	114130	Knife (stationary) Holder Sleeve Stud Set Screw	
43	106471	Knife (stationary) Holder Sleeve Stud	
44	113176	Knife (stationary) Holder Sleeve Stud Lock Nut	
45	3146	Knife (stationary) Clamping Gib Screw Washer	
46	447(830)	Knife (movable) Lever Hinge Stud Set Screw	
47	51302(806)	Knife (movable) Lifting Lever Retaining Washer and Oil Sling Securing Screw	2

Parts List for 993BX3 Machine

Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	107045	Machine Pulley with two 448(830)	
2	448(830)	Machine Pulley Set Screw	2
3	108445	Oil Pump Cover Oil Seal	
4	108446	Oil Pump Cover Oil Seal Retaining Collar with 141292(869)	
5	114077	Machine Frame Rotary Shaft Screw Stud	
6	107046	Machine Pulley Cap	
7	140416	Machine Pulley Cap Screw	
8	164100	Machine Frame Rotary Shaft Thrust Bearing	
9	139026	Machine Frame Rotary Shaft Ball Bearing	
10	164098	Machine Frame Rotary Shaft Oil Return and Ball Bearing Grease Retainer	
11	107177	Machine Frame Rotary Shaft Ball Bearing Retaining Ring	
12	107034	Machine Frame Rotary Shaft Ball Bearing Housing Gasket	
13	107033	Machine Frame Rotary Shaft Ball Bearing Housing	
14	51369(803)	Machine Frame Rotary Shaft Ball Bearing Housing Screw	4
15	108026	Machine Frame Rotary Shaft Bushing (front)	
16	108598	Oil Pump, complete, Nos. 107064, 107065, 107066, 107067, 107955 and three 1083(805)	
17	448(830)	Oil Pump Body Set Screw	
18	107955	Oil Pump Body with 448(830)	
19	350647(869)	Oil Pump Body Clamping Screw	
20	107065	Oil Pump Drive Pin	
21	107066	Oil Pump Rotor (inner)	
22	107067	Oil Pump Rotor (outer)	
		Note: Nos. 107066 and 107067 must be ordered as a set	
23	107064	Oil Pump Cover	
24	1083(805)	Oil Pump Cover Screw	3
25	141292(869)	Oil Pump Cover Oil Seal Retaining Collar Screw	
26	1036(830)	Machine Frame Rotary Shaft Bushing (front) Set Screw	

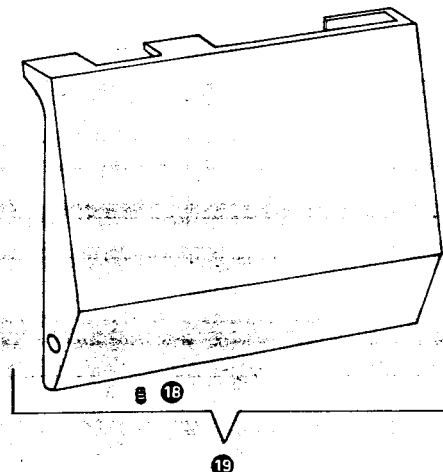
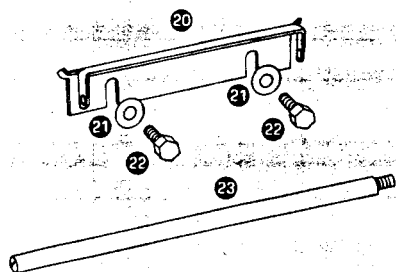
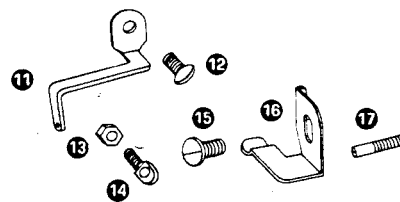
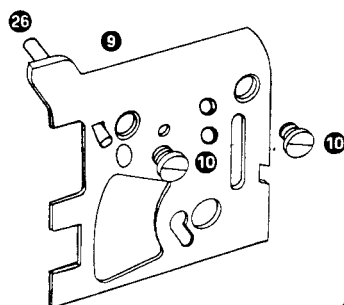
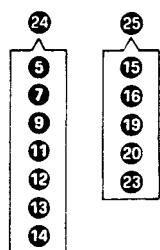
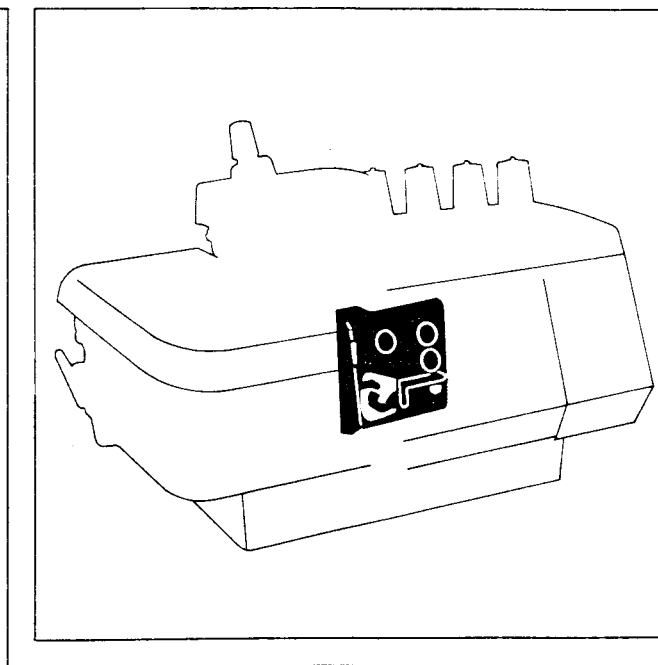
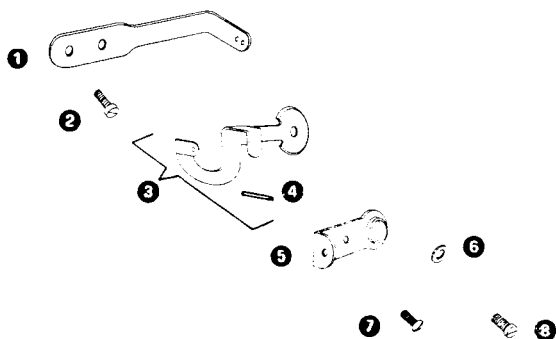
Parts List for 993BX3 Machine

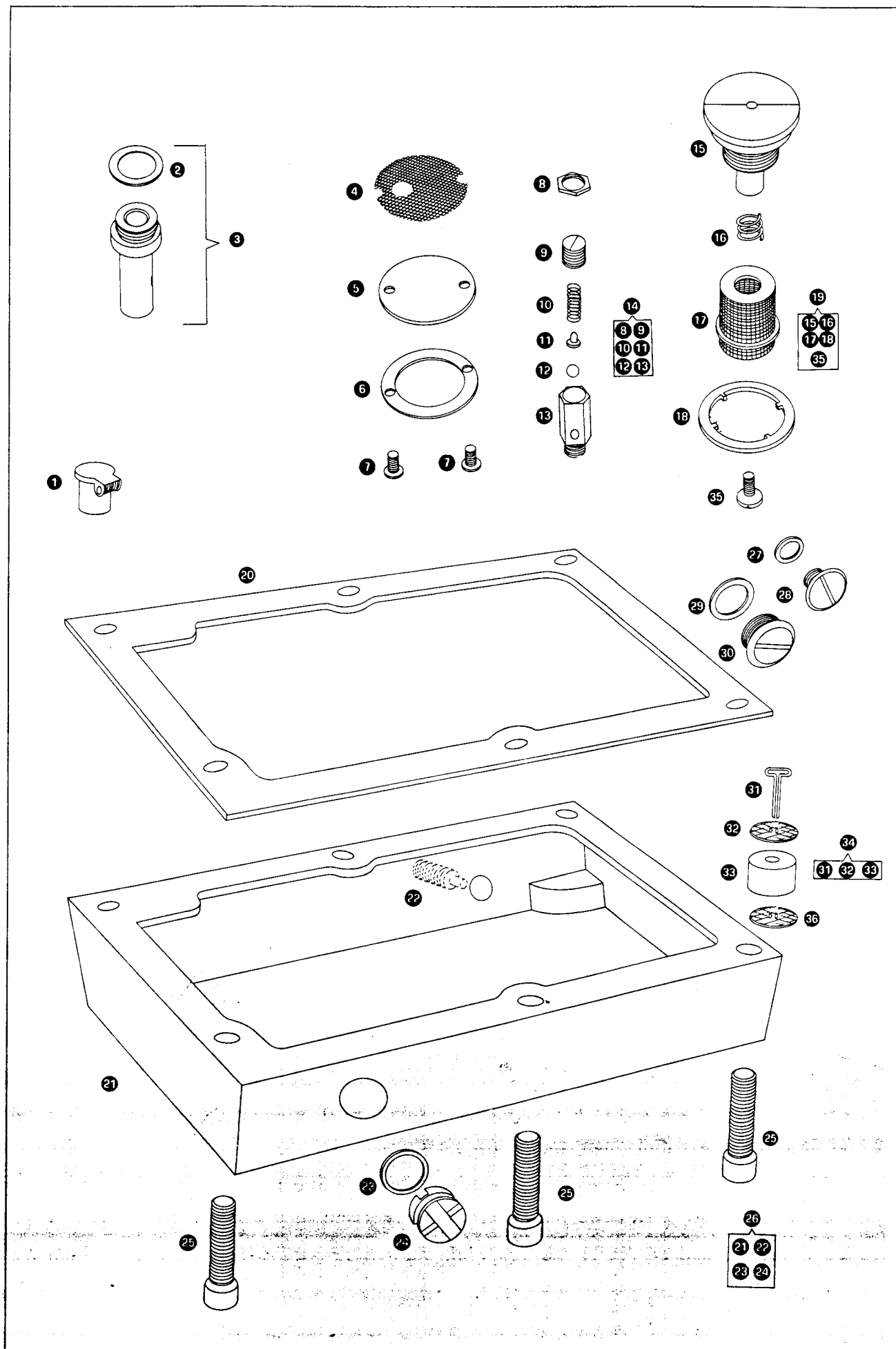
Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	114083	Pressure Regulating Thumb Screw	
2	164416	Presser Bar (upright) Spring (heavy)	
	164144	Presser Bar (upright) Spring (can be supplied as an alternative)	
3	107080	Presser Bar Lifting Lever	
4	50073(809)	Knife (movable) Lever and Presser Bar (upright) Housing Screw	2
5	106456(413)	Knife (movable) Lever and Presser Bar (upright) Housing with 460(830)	
6	460(830)	Thread Eyelet (needle thread) Set Screw	
7	114159	Pressure Regulating Thumb Screw Lock Screw	
8	82281	Thread Eyelet (needle thread)	
9	107081	Presser Bar (swing-out) Opening Lever	
10	164143(850)	Presser Bar (upright)	
11	164139	Presser Bar Lifting Lever Spring	
12	114082	Presser Bar (swing-out) Opening Lever Hinge Screw	
13	42436	Presser Bar (swing-out) Opening Lever Hinge Screw Washer	
14	51362(830)	Presser Bar (swing-out) Pivot Screw Locking Plate Screw	
15	140510(819)	Presser Bar (swing-out) Pivot Screw	
16	164351(819)	Presser Bar (swing-out) Pivot Screw Locking Plate	
17	462(830)	Presser Bar Lifting Bracket Set Screw (short)	
18	51846	Presser Bar Lifting Bracket Roller and Stud	
19	624(830)	Presser Bar Lifting Bracket Set Screw (long)	
20	106144	Presser Bar Lifting Bracket with 462(830), 624(830) and 51846	
21	1700(819)	Presser Bar (swing-out) Lifting Screw Stud Nut	
22	164141(850)	Presser Bar (swing-out) Lifting Screw Stud	
23	82330(850)	Presser Bar (swing-out)	
24	107083	Presser Foot complete, Nos. 50169(809), 107082, 50225(809), 164146, 164147 and 164149	
	107082	Presser Foot Body	
	164146	Presser Foot Chaining-off Finger	
	164147	Presser Foot Clamping Plate	
	50225(809)	Presser Foot Clamping Plate Screw	
	164149	Presser Foot Guide	
	50169(809)	Presser Foot Guide Screw	
25	108633	Throat Plate Guide	
26	350680(869)	Throat Plate Guide Screw	2
27	1094(806)	Throat Plate Screw	2
28	108205-008	Throat Plate ($\frac{1}{8}$ inch bight)	
29	106457	Knife (movable) Lever and Presser (upright) Housing, complete Nos. 42436, 82281, 106144, 106456(413), 107080, 107081, 114082, 114083, 114159, 164139, 164143 and 164416	



Parts List for 993BX3 Machine

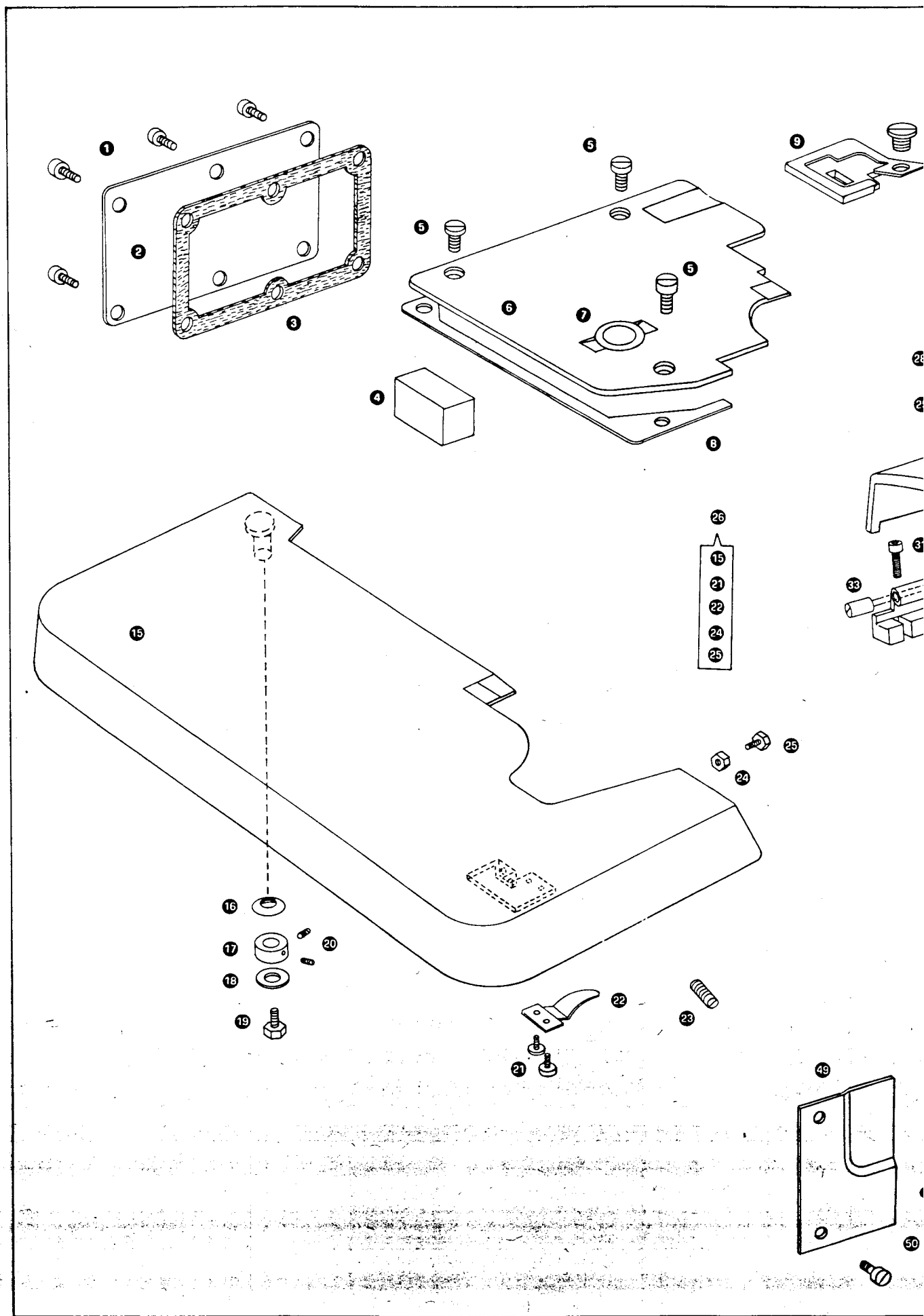
Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	113191(888)	Tension (light and heavy) Regulating Thumb Nut Lock Nut	3
2	113180(430)	Tension (light) Regulating Thumb Nut (yellow)	
3	113180(431)	Tension (heavy) Regulating Thumb Nut (red)	
4	113180(429)	Tension (heavy) Regulating Thumb Nut (green)	
5	107178	Tension (light and heavy) Spring Bushing	3
6	164157	Tension (light) Spring	
7	107084	Tension (heavy) Spring	2
8	107625	Tension (light and heavy) Spring Cover	3
9	2102	Tension (light and heavy) Disc	6
10	114117(803)	Tension (light and heavy) Screw Stud	3
11	107087	Tension Thread Guide	3
12	931084	Tension (light and heavy) Lock Washer	3
13	1689(809)	Tension (light and heavy) Lock Nut	3
14	107102	Thread (needle) Guide Post	
15	107086(430)	Tension (light) (yellow), complete Nos. 107178, 107625, 113180(430), 113191(888), 114117(803), 164157 and two 2102	
16	107085(431)	Tension (heavy) (red), complete Nos. 107084, 107178, 107625, 113180(431), 113191(888), 114117(803) and two 2102	
17	107085(429)	Tension (heavy) (green), complete Nos. 107084, 107178, 107625, 113180(429), 113191(888), 114117(803) and two 2102	
18	107088	Thread Eyelet (needle thread) Bridge	
19	1423(809)	Thread Eyelet (needle thread) Bridge Securing Screw	
20	109935(830)	Lint Stripper Set Screw	
21	164462	Lint Stripper with 109935(830)	
22	691(803)	Machine Frame Wearing Plate Screw	2
23	82309	Needle Stop Pin	2
24	108818	Needle Carrier with 51768(803), 82312 and 82313	
25	51768(803)	Needle Clamping Nut	
26	82312	Needle Holder	
27	82313	Needle Holder Washer	
28	399(830)	Thread (needle) Controller Screw	2
29	107620	Thread (needle) Controller	
30	108921	Needle Driving Shaft	
31	107839	Needle Driving Shaft Bushing	
32	109876	Needle Driving Shaft Bushing Locating Screw	
33	164053	Needle Driving Shaft Bushing Thrust Washer	
34	Cat. 1431	Needle Size 11	
35	140208(803)	Needle Guard Holder Screw	
36	108632	Needle Guard Holder	
37	50025(809)	Needle Guard Set Screw	
38	165058	Needle Guard	
39	165406	Machine Frame Wearing Plate	
—	107040	Machine Frame Top Cover Assembly, Nos. 107085(429), 107085(431), 107086(430), 107102, 228661, two 107090 and three each 1700(809), 107087 and 931084	
40	350719(869)	Needle Carrier Clamping Screw	
41	108604	Machine Frame Closing Plate (front)	
42	1238(806)	Machine Frame Closing Plate (front) Set Screw	3



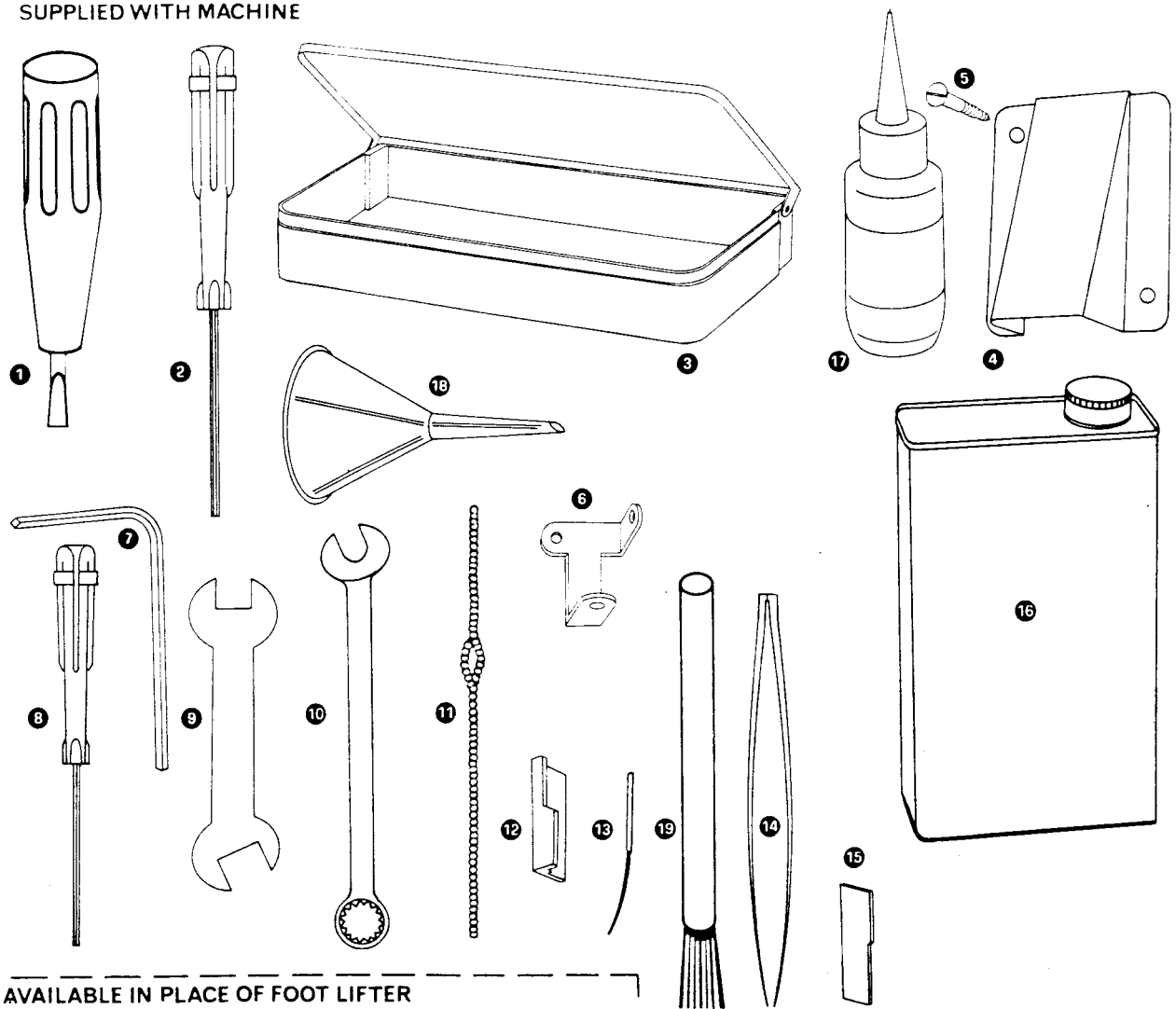


Parts List for 993BX3 Machine

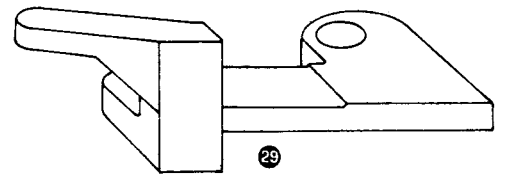
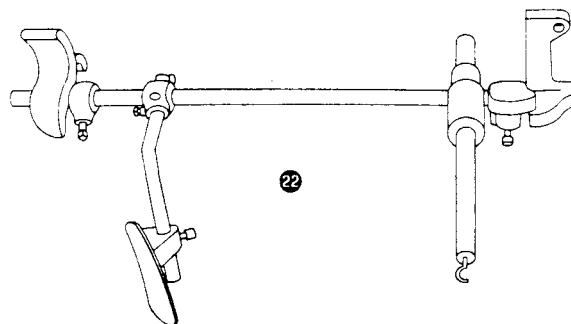
Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	704(892)	Machine Frame Closing Plate (rear) Screw	6
2	107954	Machine Frame Closing Plate (rear)	
3	108228	Machine Frame Closing Plate (rear) Gasket	
4	108630	Machine Frame Oil Seal	
5	1094	Machine Frame Oil Splash Cover (top) Securing Screw	3
6	108607	Machine Frame Oil Splash Cover (top) with 108608	
7	108373	Machine Frame Oil Splash Cover (top) Access Plug	
8	108608	Machine Frame Oil Splash Cover (top) Gasket	
9	108214	Machine Frame Oil Splash Seal Support	
10	1443(809)	Machine Frame Oil Splash Seal Support Securing Screw	
11	50073(809)	Machine Frame Top Cover Screw	2
12	107039	Machine Frame Top Cover with two 107090	
13	107090	Looper (left hand) Thread Tube (upper)	
14	107090	Thread (looper, right hand) Tube (upper)	
15	108600	Cloth Plate	
16	125399	Cloth Plate Hinge Stud Friction Washer	
17	165290	Cloth Plate Position Collar with two 114224(869)	
18	39541	Cloth Plate Hinge Stud Washer	
19	1209(809)	Cloth Plate Hinge Stud Washer Retaining Screw	
20	114224(869)	Cloth Plate Position Collar Set Screw	2
21	237(809)	Cloth Plate Lock Spring Screw	2
22	165287	Cloth Plate Lock Spring	
23	107098	Cloth Plate Lock Spring Retaining Screw Stud	
24	1700(809)	Cloth Plate Position Bracket Screw Nut	
25	51408(832)	Cloth Plate Position Bracket Screw	
26	108601	Cloth Plate, complete Nos. 1700(809), 51408(832), 108600, 165287 and two 237(809)	
27	228661	Machine Frame Top Cover Tension Screw Hole Plug	
28	109898(832)	Presser Bar Lifting Lever Stop Screw	
29	1637(810)	Presser Bar Lifting Lever Stop Screw Nut	
30	106458(413)	Knife (movable) Lever and Presser Bar (upright) Housing Cover (hinged)	
31	114073	Knife (movable) Lever and Presser Bar (upright) Housing Cover Hinge Bracket Screw	2
32	108436(869)	Knife (movable) Lever and Presser Bar (upright) Housing Cover Hinge Screw Locking Screw	
33	106460	Knife (movable) Lever and Presser Bar (upright) Housing Cover Hinge Pin	
34	106459(413)	Knife (movable) Lever and Presser Bar (upright) Housing Cover Hinge Bracket	
35	114082(819)	Knife (movable) Lever and Presser Bar (upright) Housing Cover Stop Plate Screw	2
36	42436	Knife (movable) Lever and Presser Bar (upright) Housing Cover Stop Plate Screw Washer (quantity as required)	
37	106463	Knife (movable) Lever and Presser Bar (upright) Housing Cover Stop Plate	
38	107042	Machine Frame Top Cover Closing Plate with 107059	
39	1094(850)	Machine Frame Top Cover Closing Plate Screw	8
40	106461	Knife (movable) Lever and Presser Bar (upright) Housing Cover Latch Spring	
41	227(819)	Knife (movable) Lever and Presser Bar (upright) Housing Cover Latch Spring Screw	
42	106462	Knife (movable) Lever and Presser Bar (upright) Housing Cover Latch Spring Pin	
43	113176(819)	Knife (movable) Lever and Presser Bar (upright) Housing Cover Latch Spring Pin Lock Nut	
44	107059	Oil Flow Indicator	
45	107060	Oil Flow Indicator Nozzle	
46	107044	Machine Frame Top Cover Closing Plate Gasket	
47	114142(809)	Belt Cover Screw	2
48	106430	Belt Cover	
49	108606	Machine Frame Front Cover	2
50	1238(892)	Machine Frame Front Cover Screw	2
51	108619	Chip Guard complete	
52	140509(809)	Chip Guard Screw (upper)	
53	1209(800)	Chip Guard Screw (lower)	



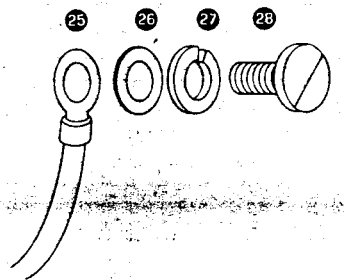
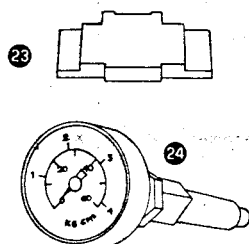
SUPPLIED WITH MACHINE

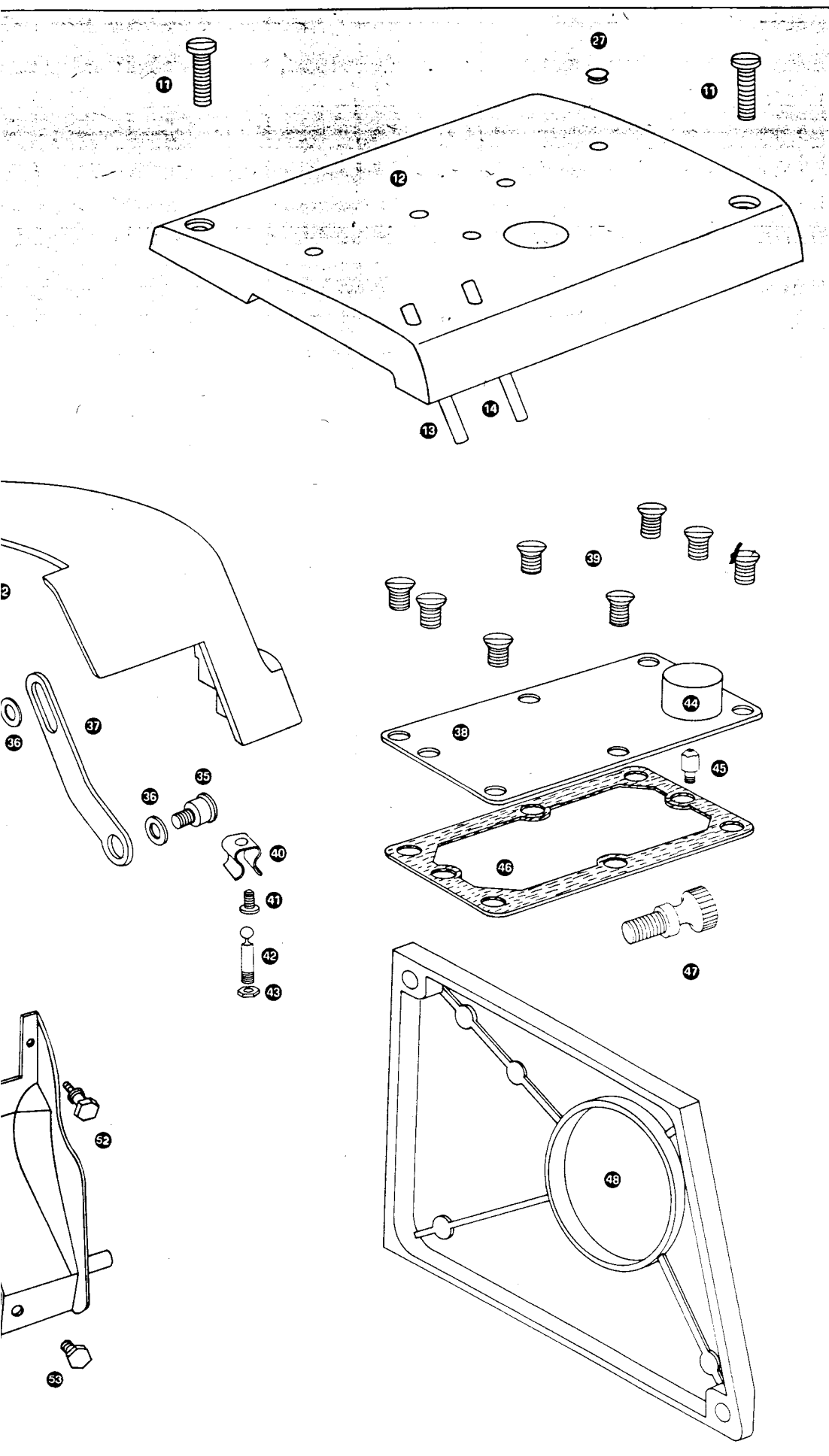


AVAILABLE IN PLACE OF FOOT LIFTER



AVAILABLE AT EXTRA CHARGE





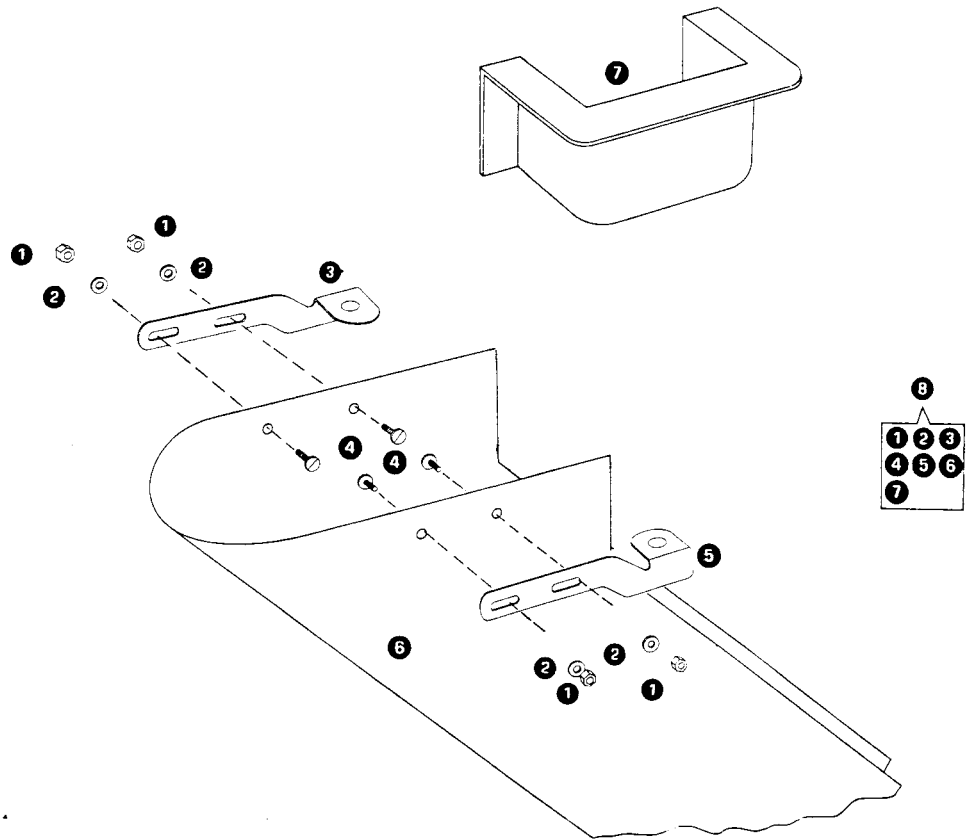
Parts List for 993 Machines—Accessories

Ref. No.	Part No. For Ordering	Description	Amt. Req.
Supplied with Machine			
1	161294	Screw Driver (plastic handle) (large)	
2	108115	Wrench 1/16 inch (plastic handle)	
3	108148	Accessory Box (plastic)	
4	108123	Belt Cover (rear)	
5	—	Belt Cover (rear) Wood Screw 3/8 inch (10mm) No. 6 R.H.	4
6	164164	Thread (looper, right hand) Thread Eyelet (movable)	
7	820193-002	Wrench for 1/16 inch (1.6mm) socket head screw	
	820193-003	Wrench for 5/64 inch (2mm) socket head screw	
	820193-005	Wrench for 1/8 inch (3.2mm) socket head screw	
	108452	Wrench for 5/32 inch (4mm) socket head screw	
	820193-007	Wrench for 3/16 inch (4.8mm) socket head screw	
	820193-009	Wrench for 3/32 inch (2.4mm) socket head screw	
	820193-010	Wrench for 7/32 inch (5.6mm) socket head screw	
8	108146	Allen Wrench 3/32 inch (2.4mm) (with plastic handle)	
9	10875	Wrench (flat)	
10	108777	Combination Wrench	
11	164196	Threader	6
12	164550	Knife (movable)	
13	Cat. 1431	Needles, size 11 (or according to fittings being supplied)	12
14	108057	Tweezers	
15	164728	Knife (stationary)	
16	81350-011	Tin of Oil (500ml type "H" Oil)	
17	108065	Oil Dispenser	
18	108147	Oil Funnel	
19	107627	Lint Brush	
20	81443	Thread Unwinder (3 spools)	
21	81444	Thread Unwinder (4 spools)	
22	164727	Knee Lifter (supplied in place of Foot Lifter if requested)	
Available at an Extra Charge			
23	82253	Gauge	
	108058	Dust Cover (not illustrated)	
24	107936	Oil Pressure Gauge	
25	108224	Earthing Wire	
26	49109	Earthing Wire Washer	
27	701679	Earthing Wire Screw Washer	
28	176(809)	Earthing Wire Screw	
29	108592	Looper (left hand) Gauge	
Special Tools to allow Agencies to fit Oil Pump assemblies			
—	115182-982	Line Reamer	
—	115183-982	Line Reamer Guide Bush (large)	
Other Tools available			
	108456-982	Ball Bearing Extractor complete	
	108461-982	Ball Bearing Replacement Fixture complete	
	108462-982	Ball Bearing Replacement Sleeve	
	108463-982	Ball Bearing Housing Replacement Sleeve	
	108464-982	Oil Pump Cover Centralising Sleeve	
	115328-982	Ball Bearing (left hand end) Replacement Tool complete	

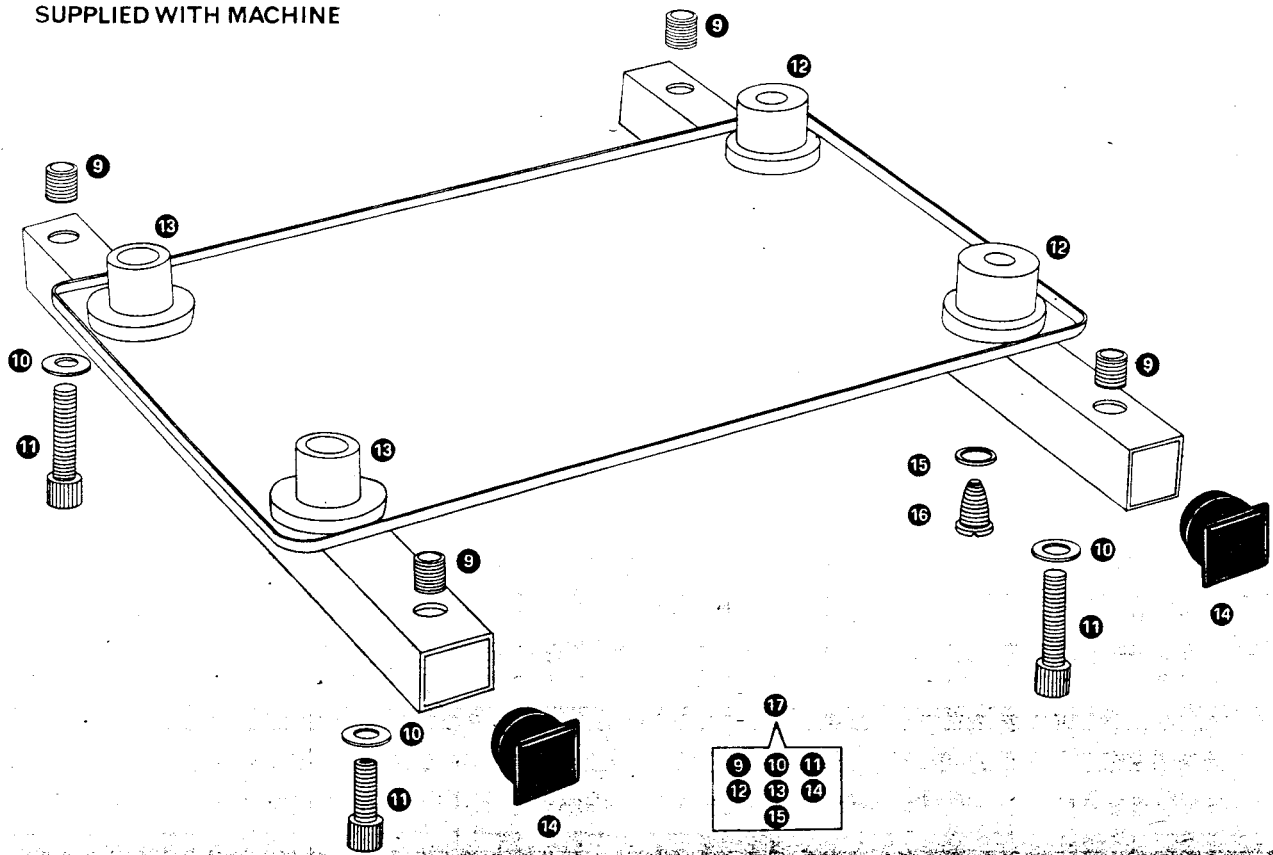
Parts List for 993 Machines—Accessories

Ref. No.	Part No. For Ordering	Description	Am... Req.
Available at an Extra Charge			
1	1700(809)	Chip Chute Support Bracket Screw Nut	4
2	175032	Chip Chute Support Bracket Screw Washer	4
3	107156	Chip Chute Support Bracket (left hand)	
4	1094(809)	Chip Chute Support Bracket Screw	4
5	107157	Chip Chute Support Bracket (right hand)	
6	107105	Chip Chute (long)	
	or		
	108217	Chip Chute (short)	
7	107514	Chip Chute Sleeve	
8	107989	Chip Chute (long) complete, Nos. 107105, 107156, 107157, 107514, four each 1094(809), 1700(809) and 175032	
	or		
	108219	Chip Chute (short) complete, Nos. 107156, 107157, 107514, 108217, four each 1094(809), 1700(809) and 175032	
Supplied with Machine			
9	51797	Machine Base Mounting Screw Insert	4
10	9842	Machine Base Mounting Screw Washer	4
11	350647(869)	Machine Base Mounting Screw	4
12	81231	Machine Cushion (large)	2
13	164189	Machine Cushion (small)	2
14	108220	Machine Base Support Tube End Plug	2
15	9525	Chip Chute Support Bracket (left hand) Screw (upper) Washer	
16	114116	Chip Chute Support Bracket (left hand) Screw (upper)	
17	(107107)	Machine Base complete with 20437, 114116, two each 81231, 108220, 115465 164189, four each 9842, 51797 and 350647(869)	

AVAILABLE AT AN EXTRA CHARGE

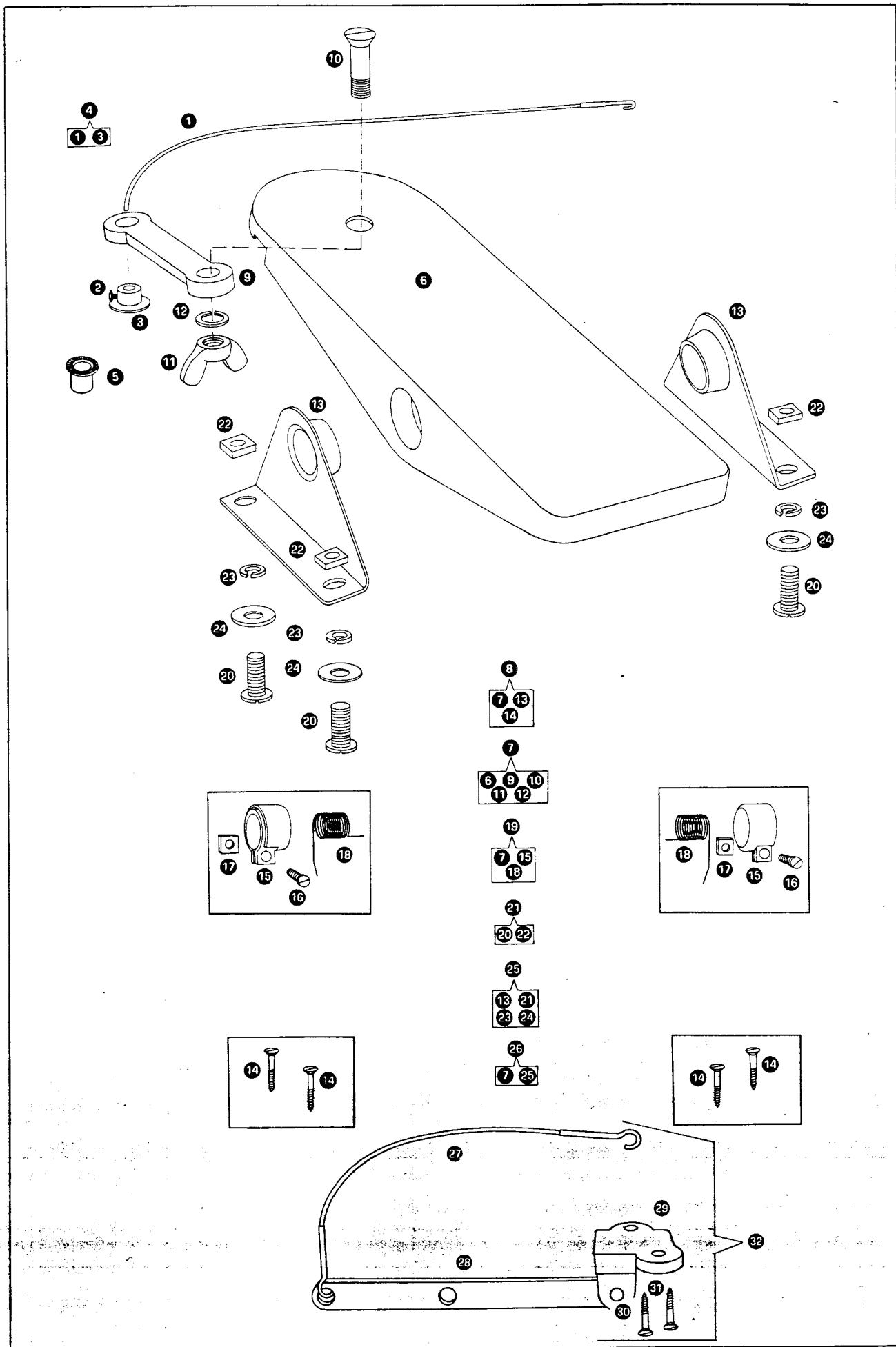


SUPPLIED WITH MACHINE



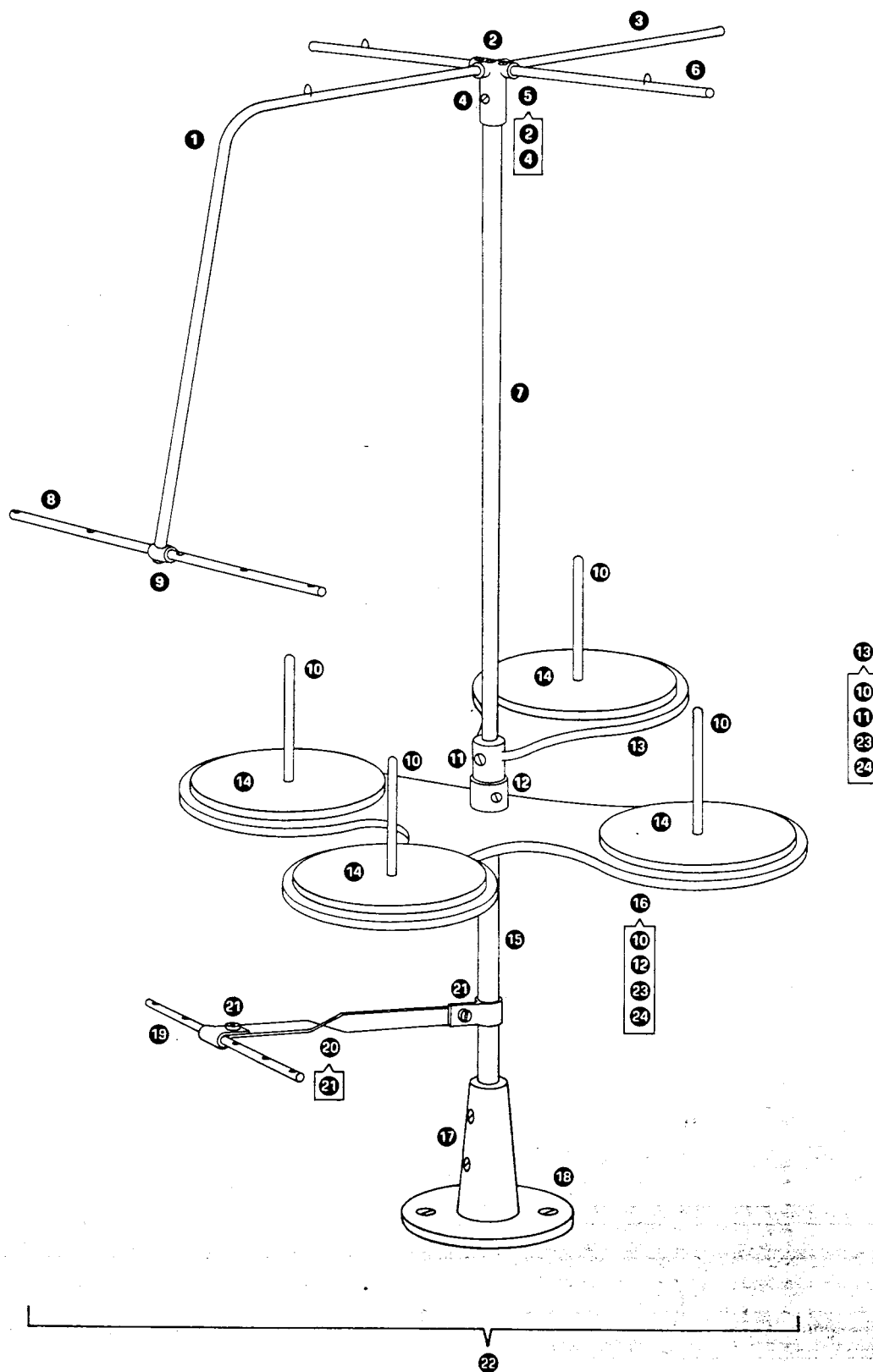
Parts List for 993 Machines—Accessories

Ref. No.	Part No. For Ordering	Description	Amt. Req.
Supplied with Machine			
1	107501	Foot Lifter Operating Cable	
2	140393	Foot Lifter Operating Cable Retaining Collar Screw	
3	107505	Foot Lifter Operating Cable Retaining Collar with 140393	
4	107513	Foot Lifter Operating Cable complete, Nos. 107501 and 107505	
5	164042	Foot Lifter Operating Cable Friction Sleeve	
Listed below are foot treadles suitable for floor mounting, mounting to the round cross brace of a stand, or mounting to the flat pressed steel treadle support of a stand. The customer is required to specify which treadle, if any, he requires and it will be supplied at no charge.			
Treadle for Floor Mounting			
6	152168	Treadle	
7	115420	Treadle 152168 with 51723, 115418, 152171 and 67425	
8	107626	Treadle 115420 with two 107502 and four wood screws 3/4 inch (19mm) No. 12 R.H.	
9	115418	Treadle Extension	
10	152171	Treadle Extension Swivel Stud	
11	51723	Treadle Extension Wing Nut	
12	67425	Treadle Extension Wing Nut Lock Washer	
13	107502	Treadle Hinge Bracket	2
14	—	Treadle Hinge Bracket Wood Screw 3/4 inch (19mm) No. 12 R.H.	4
Treadle for Mounting to Round Cross Brace			
6	152168	Treadle	
7	115420	Treadle 152168 with 51723, 115418, 152171 and 67425	
19	115421	Treadle 115418 with 152153 and two 152080	
9	115418	Treadle Extension	
10	152171	Treadle Extension Swivel Stud	
11	51723	Treadle Extension Wing Nut	
12	67425	Treadle Extension Wing Nut Lock Washer	
15	152080	Treadle Position Collar with 51089	2
16	51089	Treadle Position Collar Bolt with 51581	2
17	51581	Treadle Position Collar Bolt Nut	2
18	152153	Treadle Spring	
Treadle for Mounting to Flat Pressed Steel Treadle Support			
6	152168	Treadle	
7	115420	Treadle 152168 with 51723, 115418, 152171 and 67425	
26	107546	Treadle 115420 with two 107512	
9	115418	Treadle Extension	
10	152171	Treadle Extension Swivel Stud	
11	51723	Treadle Extension Wing Nut	
12	67425	Treadle Extension Wing Nut Lock Washer	
13	107502	Treadle Hinge Bracket	
25	107512	Treadle Hinge Bracket 107502 with two each 23250, 51082-002 and 67425	
20	141223-002	Treadle Hinge Bracket Bolt	
21	51082-002	Treadle Hinge Bracket Bolt 141223-002 with 51581	
22	51581	Treadle Hinge Bracket Bolt Nut	
23	67425	Treadle Hinge Bracket Bolt Nut Lock Washer	
24	23250	Treadle Hinge Bracket Bolt Washer	
Available at an extra charge			
For use with table mounted motors and Series 52, 53 motors			
27	108221	Presser Bar Lifter Connecting Cable	
28	108222	Presser Bar Lifter Operating Arm	
29	5599	Presser Bar Lifter Operating Arm Bracket	
30	5601	Presser Bar Lifter Operating Arm Hinge Pin	
31	—	Presser Bar Lifter Operating Arm Bracket Wood Screw 3/4 inch (19mm) No. 6 R.H.	2
32	108223	Presser Bar Lifter Operating Arm complete, Nos. 5599, 5601, 108221, 108222 and two 8905 and Wood Screws 3/4 inch (19mm) No. 6 R.H.	
Not illustrated :- 8905			2
Presser Bar Lifter Operating Arm Bracket Washer			



Parts List for 993 Machines—Accessories

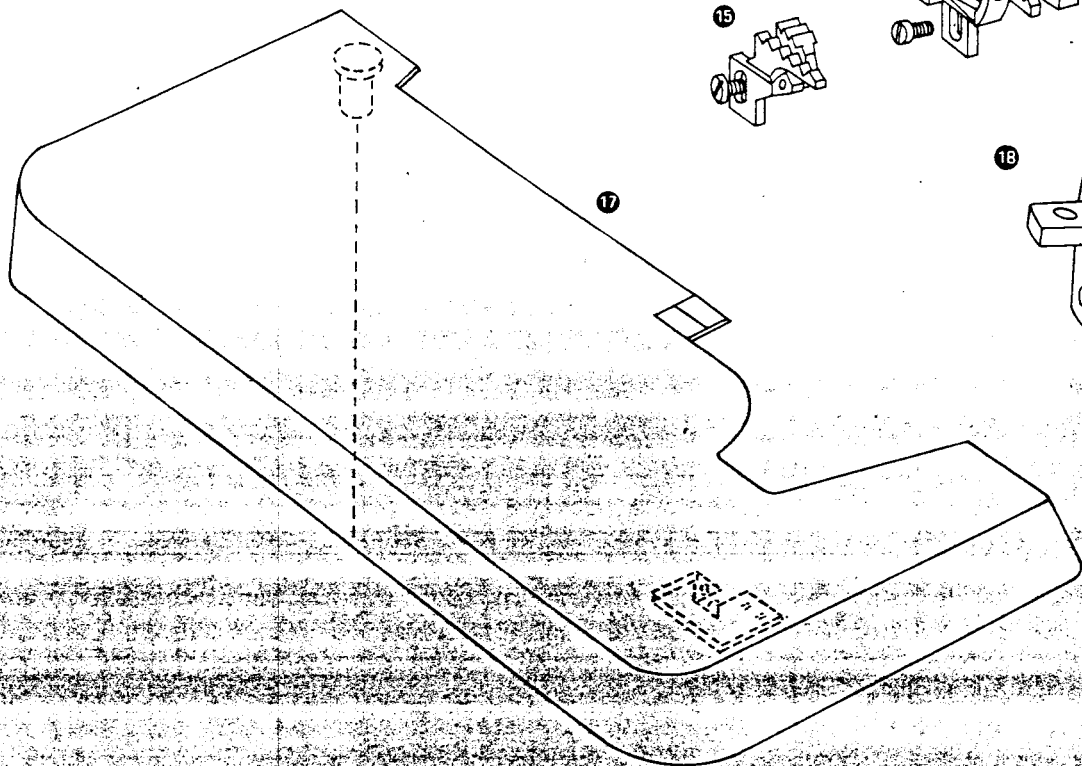
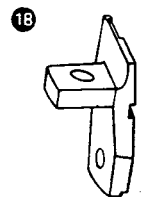
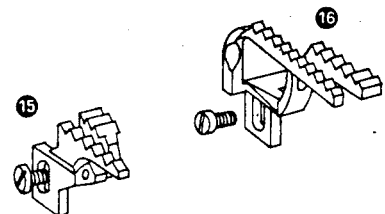
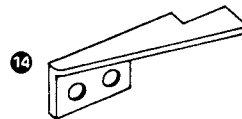
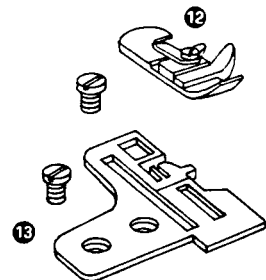
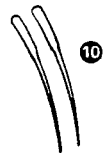
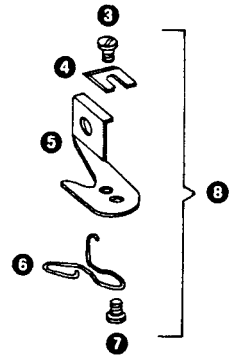
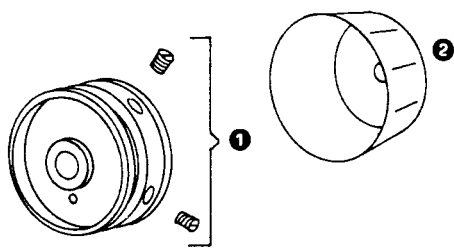
Ref. No.	Part No. For Ordering	Description	Amt. Req.
1	151027	Thread Guide (lower) Support with 50311 (803)	
2	453(830)	Thread Guide Rod Set Screw	
3	151162	Thread Guide (upper, solid)	
4	453(830)	Thread Guide Set Screw	
5	151029	Thread Guide (upper) Holder with four 453(830)	
6	151028	Thread Guide (upper, hollow)	
7	151030(809)	Thread Guide Rod	
8	151026	Thread Guide (lower)	
9	50311(803)	Thread Guide (lower) Holder Set Screw	
10	228692	Spool Pin	4
11	201018(803)	Spool Rest Set Screw	
12	858(830)	Spool Rest Hub Set Screw	
13	225259	Spool Rest with 82538, 201018(803), 201528(819) and 228692 (one spool)	
14	150203	Spool Rest Cushion (felt)	4
15	151024	Spool Rest Rod	
16	151023	Spool Rest with 858(830), three each 82538, 201528(819) and 228692 (three spools)	
17	1122(803)	Spool Rest Rod Set Screw	2
18	151025	Spool Rest Stand with two 1122(803) and three wood screws 1 inch No. 12 F.H.	
19	101921	Thread Guide (lower)	
20	165148	Thread Guide (lower) Holder with two 172(809)	
21	172(809)	Thread Guide (lower) Holder Screw	2
22	81444	Thread Unwinder, complete	
23	201528(819)	Spool Pin Nut	4
24	82538	Spool Pin Washer	4



List of Parts for 993B3, 993BX10 and 993B10 Machine Varieties

Parts listed for the undernoted varieties are the same as the 993BX3 Machine with the following exceptions.
(Continued on page 82)

993BX3	993B3	993BX10	993B10	
Part No.	Ref. Part No.	Ref. Part No.	Ref. Part No.	Description
107045	1 108765	107045	1 108765	Machine Pulley with two 448(830)
107046	2 108766	107046	2 108766	Machine Pulley Cap
—	—	3 665(809)	3 665(809)	Chain Cutter Knife Screw
—	—	4 164861	4 164861	Chain Cutter Knife
—	—	5 164863	5 164863	Chain Cutter Holder
—	—	6 164864	6 164864	Chain Cutter Chain Retainer Spring
—	—	7 665(809)	7 665(809)	Chain Cutter Chain Retainer Spring Screw
—	—	8 164865	8 164865	Chain Cutter with Chain Retainer complete 164861, 164863, 164864 and two 665(809)
108818	108818	9 108941	9 108941	Needle Carrier
Cat. 1431	Cat. 1431	10 Cat. 1435	10 Cat. 1435	Needle
165058	165058	11 108112	11 108112	Needle Guard
107083	107083	12 164627	12 164627	Presser Foot complete
108205-008	108205-008	13 101948	13 101948	Throat Plate
108633	108633	14 108661	14 108661	Throat Plate Guide
108229	108229	15 164617	15 164617	Feed (back) Dog complete
164019	164019	16 165108	16 165108	Feed (front) Dog
108601	108601	17 108660	17 108660	Cloth Plate complete
108617	108780	108663	108782	Thread (looper) Plate Cover assembly
108616(413)	108779	108635	108781	Thread (looper) Plate Cover with 109927(869)
108600	108600	108659	108659	Cloth Plate
107040	107040	107944	107944	Machine Frame Top Cover Assembly
228661	228661	—	—	Machine Frame Top Cover Tension Screw Hole Plug
—	—	113180(624)	113180(624)	Tension (heavy) Regulating Thumb Nut (blue)
—	—	107085(624)	107085(624)	Tension (heavy) complete (blue)
106430	108783	106430	108783	Belt Cover
165062	18 115140	165062	18 115140	Knife (stationary) Holder
165063	115141	165063	115141	Knife (stationary) Holder (adjustable) complete
165064	115142	165064	115142	Knife (stationary) Holder (adjustable) with Gib (complete)

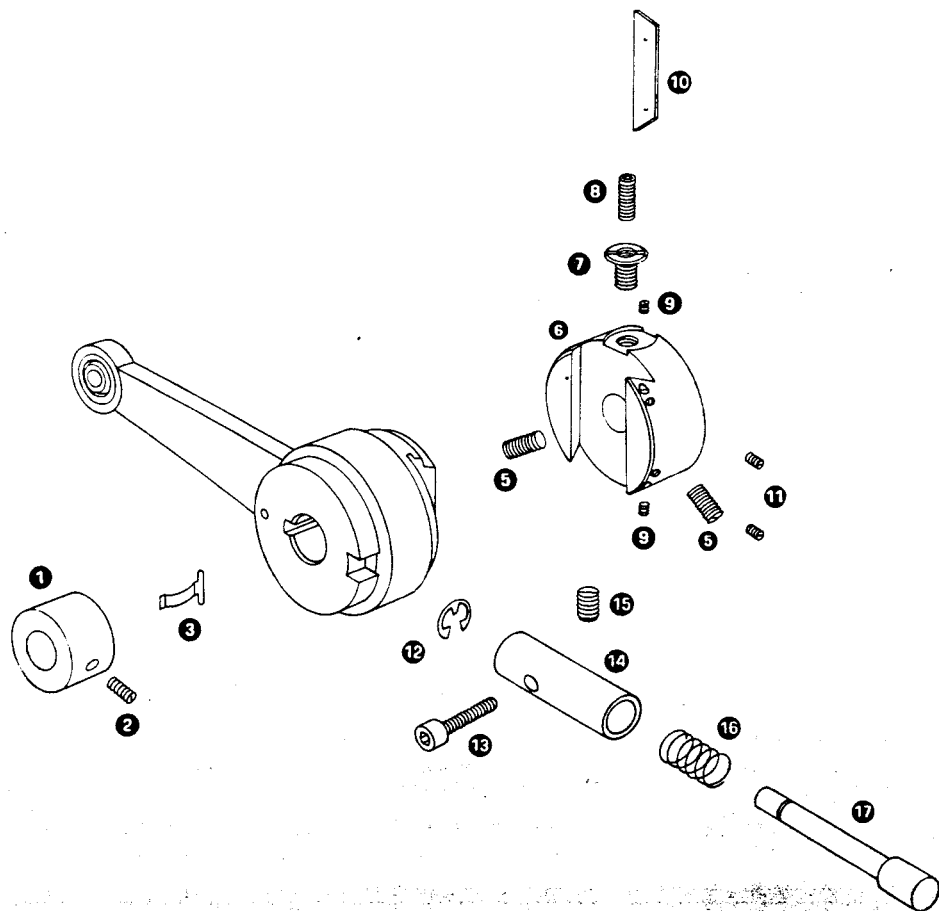


List of Parts for 993B3, 993BX10 and 993B10 Machine Varieties

Parts List for the undernoted varieties are the same as the 993BX3 machine with the following exceptions.

(Continued from page 80)

993BX3	993B3	993BX10	993B10	Description
Ref. Part No. No.	Ref. Part No. No.	Ref. Part No. No.	Ref. Part No. No.	
—	1 87279	—	1 87279	Feed Eccentric (adjustable) Disc Position Collar with 50150(819)
—	2 50150(819)	—	2 50150(819)	Feed Eccentric (adjustable) Disc Position Collar Set Screw
—	3 108757	—	3 108757	Feed Eccentric (adjustable) Disc Spring
—	4 108755	—	4 108755	Feed Eccentric (adjustable) complete
—	5 435(830)	—	5 435(830)	Feed Eccentric (adjustable) Set Screw
—	6 108753	—	6 108753	Feed Eccentric (adjustable) Body
—	7 114200(830)	—	7 114200(830)	Feed Eccentric (adjustable) Stop Screw
—	8 114201(869)	—	8 114201(869)	Feed Eccentric (adjustable) Stop Screw Set Screw
—	9 468(830)	—	9 468(830)	Feed Eccentric (adjustable) Slide Gib Locking Screw
—	10 108754	—	10 108754	Feed Eccentric (adjustable) Slide Gib
—	11 620(830)	—	11 620(830)	Feed Eccentric (adjustable) Slide Gib Adjusting Screw
—	12 107763	—	12 107763	Feed Eccentric (adjustable) Push Button Circlip
—	13 350754(869)	—	13 350754(869)	Feed Eccentric (adjustable) Push Button Set Screw
—	14 108764	—	14 108764	Feed Eccentric (adjustable) Push Button Bush
—	15 446(830)	—	15 446(830)	Feed Eccentric (adjustable) Push Button Bush Set Screw
—	16 108763	—	16 108763	Feed Eccentric (adjustable) Push Button Return Spring
—	17 108762	—	17 108762	Feed Eccentric (adjustable) Push Button with plastic moulding



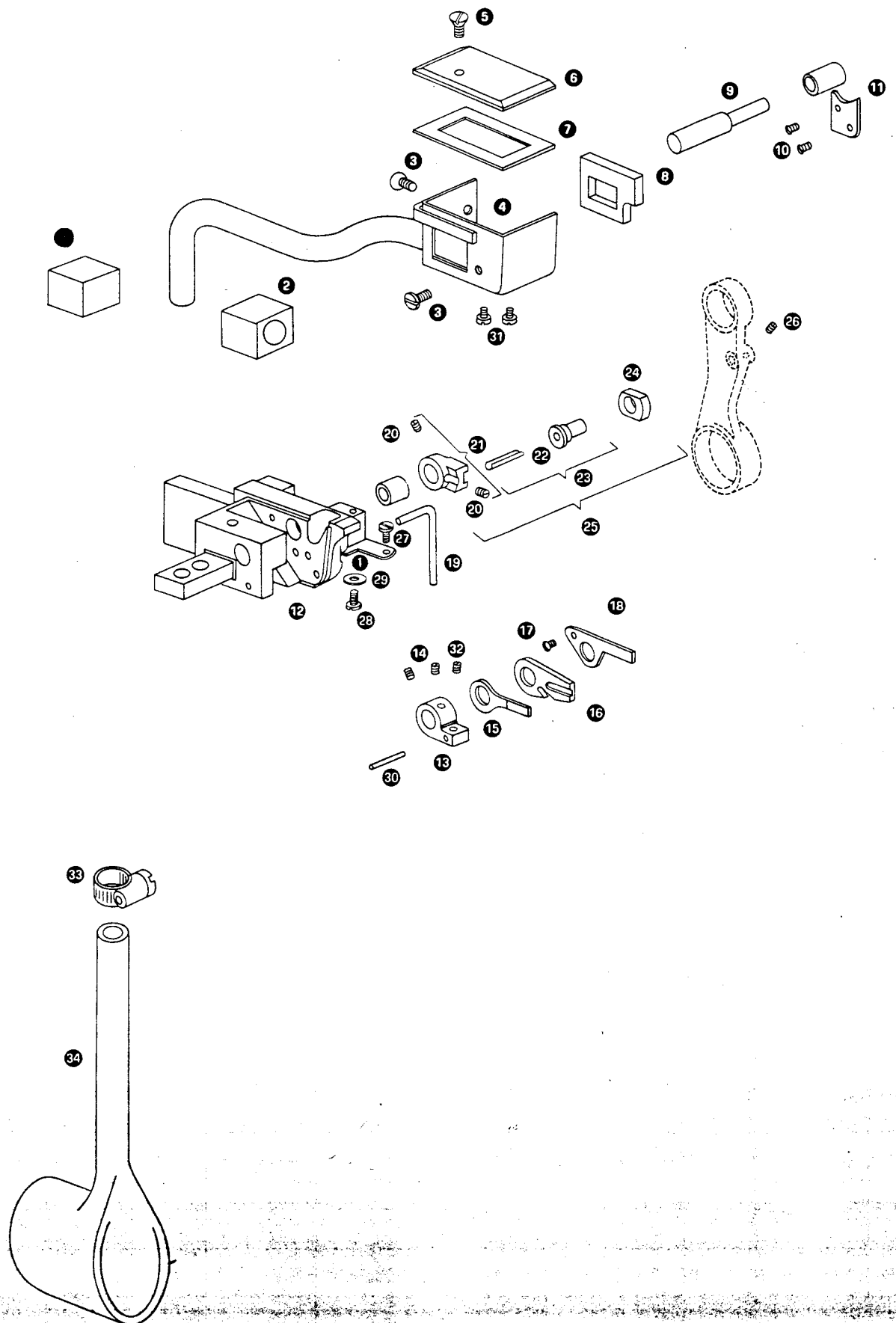
Parts List for 993B43, 993BX43, 993B50 and 993BX50 Machines fitted with Chain Cutters

Items common to all varieties

Ref. No.	Part No.	Description
—	114224(869)	Chain Cutter Knife Holder and Feed Bar Guide Pin Securing Screw
1	108621	Chain Cutter Knife Holder and Feed Bar Guide Oil Deflector
2	108623	Chain Cutter Knife Holder and Feed Bar Guide Cover Suction Tube Oil Seal
3	207(809)	Chain Cutter Knife Holder and Feed Bar Guide Cover Securing Screw (2)
4	108499	Chain Cutter Knife Holder and Feed Bar Guide Cover
5	50027(823)	Chain Cutter Knife Holder and Feed Bar Guide Cover (top) Securing Screw
7	108648	Chain Cutter Knife Holder and Feed Bar Guide Cover (top) Gasket
8	108503	Chain Cutter Knife Holder and Feed Bar Guide Cover Seal (inner)
9	115331	Chain Cutter Knife (movable) Shaft
10	1329(805)	Chain Cutter Knife (stationary) Extension Screw (2)
11	115333	Chain Cutter Knife (stationary) Extension
13	115227	Chain Cutter Knife (movable) Shaft Drive Collar with three 141087(869)
14	141087(869)	Chain Cutter Knife (movable) Shaft Drive Collar Set Screw (2)
15	108394	Chain Cutter Knife (movable) Spring
16	115228	Chain Cutter Knife (movable) with 115240
17	1329(805)	Chain Cutter Knife (stationary) Screw
18	115332	Chain Cutter Knife (stationary)
19	108441	Chain Cutter Knives Oil Wick
20	109927(869)	Chain Cutter Knife (movable) Driving Fork Set Screw (2)
21	108389	Chain Cutter Knife (movable) Driving Fork with two 109927(869)
22	108495	Chain Cutter Knife (movable) Driving Slide Block Stud Wick
23	108391	Chain Cutter Knife (movable) Driving Slide Block Stud with 108495
24	108390	Chain Cutter Knife (movable) Driving Slide Block
		Mated Components may be supplied only as 108597.
25	108597	Chain Cutter Knife (movable) Driving Fork 108389 with 108390 and 108391
26	109927(869)	Chain Cutter Knife (movable) Driving Slide Block Stud Set Screw
27	1445(830)	Chain Cutter Knife Holder and Feed Bar Guide Oil Deflector Securing Screw (front)
28	665(809)	Chain Cutter Knife Holder and Feed Bar Guide Oil Deflector Securing Screw (rear)
29	108864	Chain Cutter Knife Holder and Feed Bar Guide Oil Deflector Securing Screw (rear) Washer
30	115240	Chain Cutter Knife (movable) Drive Pin
31	665(809)	Chain Cutter Knife Holder and Feed Bar Guide Cover Securing Screw (lower) (2)
32	141087	Chain Cutter Knife (movable) Drive Pin Securing Screw
33	108585	Chain Cutter Suction Pipe Clip (supplied only when specified on order and at an extra charge)
34	108406	Chain Cutter Suction Pipe (supplied only when specified on order and at an extra charge)
—	115035	Cloth Plate
—	115036	Cloth Plate complete, Nos. 1700(809), 51408(832), 115035, 165287 and two 237(809)
—	115066	Machine Frame Oil Splash Guard (top)
—	115037	Machine Frame Oil Splash Cover with 108608
—	115038	Machine Frame Oil Splash Guard
—	108627	Machine Frame Oil Splash Support

Items which differ according to variety

	993B43	993BX43	993B50	993BX50	
6	115033	115033	115050	115050	Chain Cutter Knife Holder and Feed Bar Guide Cover (top)
—	115045	115041	115047	115043	Thread Looper Plate Cover with 109927(869)
—	115046	115042	115048	115044	Thread Looper Plate Cover assembly
12	115032	115032	115064	115064	Chain Cutter Knife Holder and Feed Bar Guide



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