

Instruction Manual and Parts List

Zigzag Sewing Machine

20U 109 / 109C
112 / 112C
309

20E 910



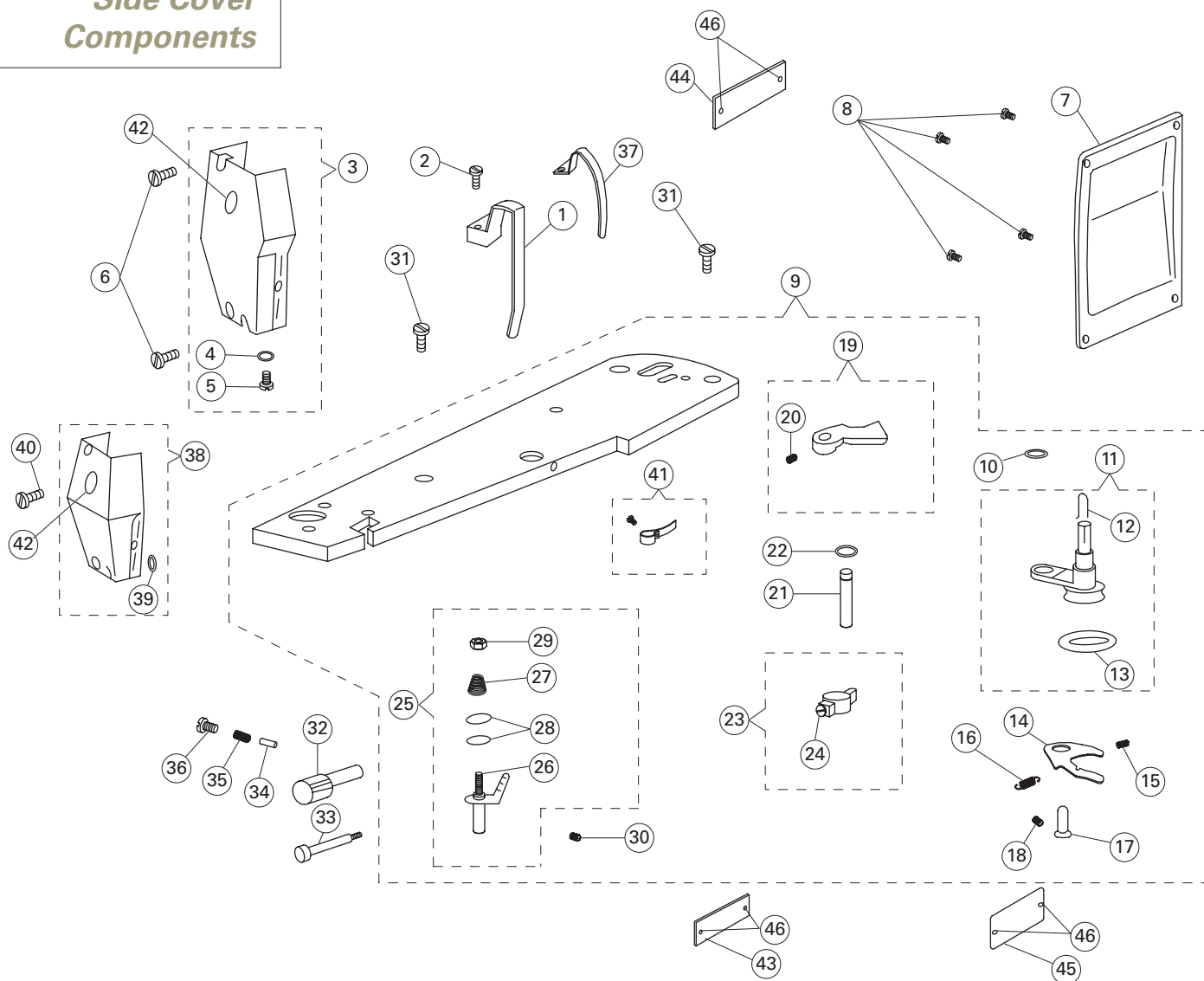
SINGER®



Parts List

6.1

Face Plate, Arm Top Cover and Arm Side Cover Components



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	554113-383	Thread take-up guard	1	1	1	1	0	1
2	606407	Take-up guard screw	1	1	1	1	1	1
3	606395	Face plate assembly	1	1	1	1	0	1
4	606632	Thread guide	1	1	1	1	0	1
5	606633	Thread guide screw	1	1	1	1	0	1
6	606634	Screw	2	2	2	2	0	2
7	554118-385	Back cover	1	1	1	1	1	1
8	606635	Screw	4	4	4	4	1	4
9	606433	Arm top cover assembly	1	1	1	1	0	1
	601433	Arm top cover assembly	0	0	0	0	1	0
10	606636	Thrust washer	1	1	1	1	1	1

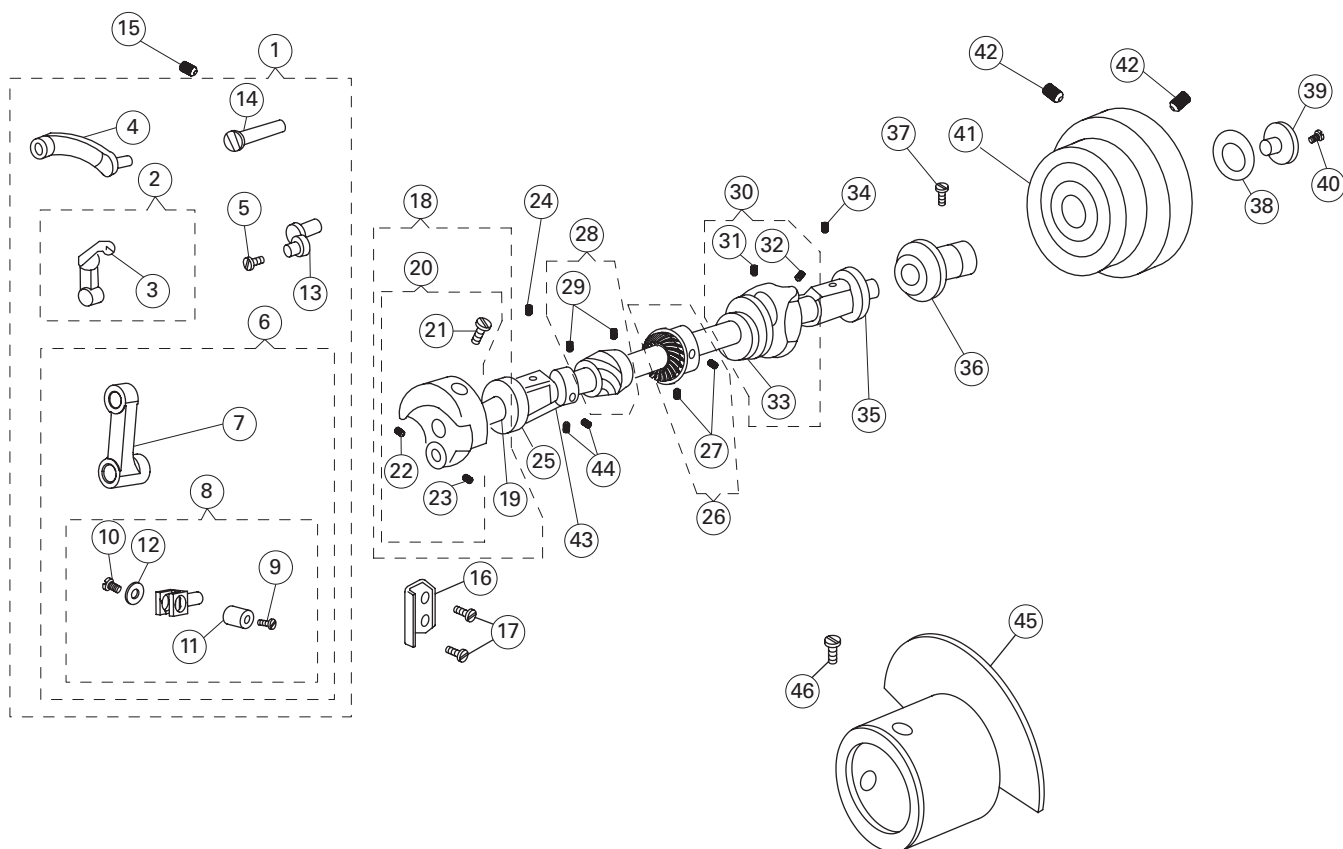
6.1

Face Plate, Arm Top Cover and Arm Side Cover Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
11	606454	Bobbin winder bracket assembly	1	1	1	1	1	1
12	606637	Spring	1	1	1	1	1	1
13	606638	Friction o-ring	1	1	1	1	0	1
	GO207-8	Friction o-ring	0	0	0	0	1	0
14	606452	Bobbin winder regulating plate	1	1	1	1	1	1
15	606453	Spring	1	1	1	1	1	1
16	606449	Spring	1	1	1	1	1	1
17	606451	Hinge stud	1	1	1	1	0	1
	GS272-8	Hinge stud	0	0	0	0	1	0
18	606439	Set screw	1	1	1	1	1	1
19	550032	Bobbin winder lever assembly	1	1	1	1	0	1
20	544208-005	Bobbin winder lever set screw	1	1	1	1	0	1
21	606447	Bobbin winder lever stud	1	1	1	1	1	1
22	606448	Bobbin winder lever stud ring	1	1	1	1	0	1
	GZ202-8	Bobbin winder lever stud ring	0	0	0	0	1	0
23	606446	Bobbin winder regulator assembly	1	1	1	1	1	1
24	544208-005	Bobbin winder regulator screw	1	1	1	1	1	1
25	606639	Bobbin winder tension assembly	1	1	1	1	0	1
	GR482/6-8	Bobbin winder tension assembly	0	0	0	0	1	0
26	606440	Bobbin winder tension stud	1	1	1	1	1	1
27	606442	Bobbin winder tension spring	1	1	1	1	1	1
28	606441	Bobbin winder tension disc	2	2	2	2	2	2
29	606443	Bobbin winder tension nut	1	1	1	1	0	1
	GL162-8	Bobbin winder tension nut	0	0	0	0	1	0
30	606439	Screw	1	1	1	1	1	1
31	606602	Arm top cover screw	2	2	2	2	2	2
32	606398	Eccentric lock	1	1	1	1	0	1
	GT150-8	Eccentric lock	0	0	0	0	1	0
33	606397	Eccentric screw	1	1	1	1	1	1
34	554128	Stopper pin	1	1	1	1	1	1
35	554144	Stopper spring	1	1	1	1	1	1
36	544212-001	Stopper screw	1	1	1	1	1	1
37	GK146-8	Thread take-up guard	0	0	0	0	1	0
38	GR406/-8	Face plate assembly	0	0	0	0	1	0
39	GR232-8	Thread guide	0	0	0	0	1	0
40	GS132-8	Screw	0	0	0	0	2	0
41	GR480/2-8	Bobbin winder lever assembly	0	0	0	0	1	0
42	J900112-001	Singer 'S' cameo	1	1	1	1	1	1
43	J900112-002	Singer logo resin plate (front)	1	1	1	1	1	1
44	J900112-003	Singer logo resin plate (back)	1	1	1	1	1	1
45	J900020-xxx	Model plate	1	1	1	1	1	1
46	R03001	Rivet	6	6	6	6	6	6

6.2

Thread Take-up, Arm Shaft and Handwheel Components



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606640	Thread take-up assembly	1	1	1	1	1	1
2	606475	Thread take-up	1	1	1	1	1	1
3	606474	Thread take-up eyelet	1	1	1	1	1	1
4	606641	Thread take-up lever link	1	1	1	1	1	1
5	606471	Needle bar connecting link cap screw	1	1	1	1	1	1
6	606642	Needle bar connecting link assembly	1	1	1	1	1	1
7	606472	Needle bar connecting link	1	1	1	1	1	1
8	606466	Needle bar connecting stud assembly	1	1	1	1	1	1
9	606468	Set screw	1	1	1	1	1	1
10	606464	Needle bar connecting hinge pin screw	1	1	1	1	1	1

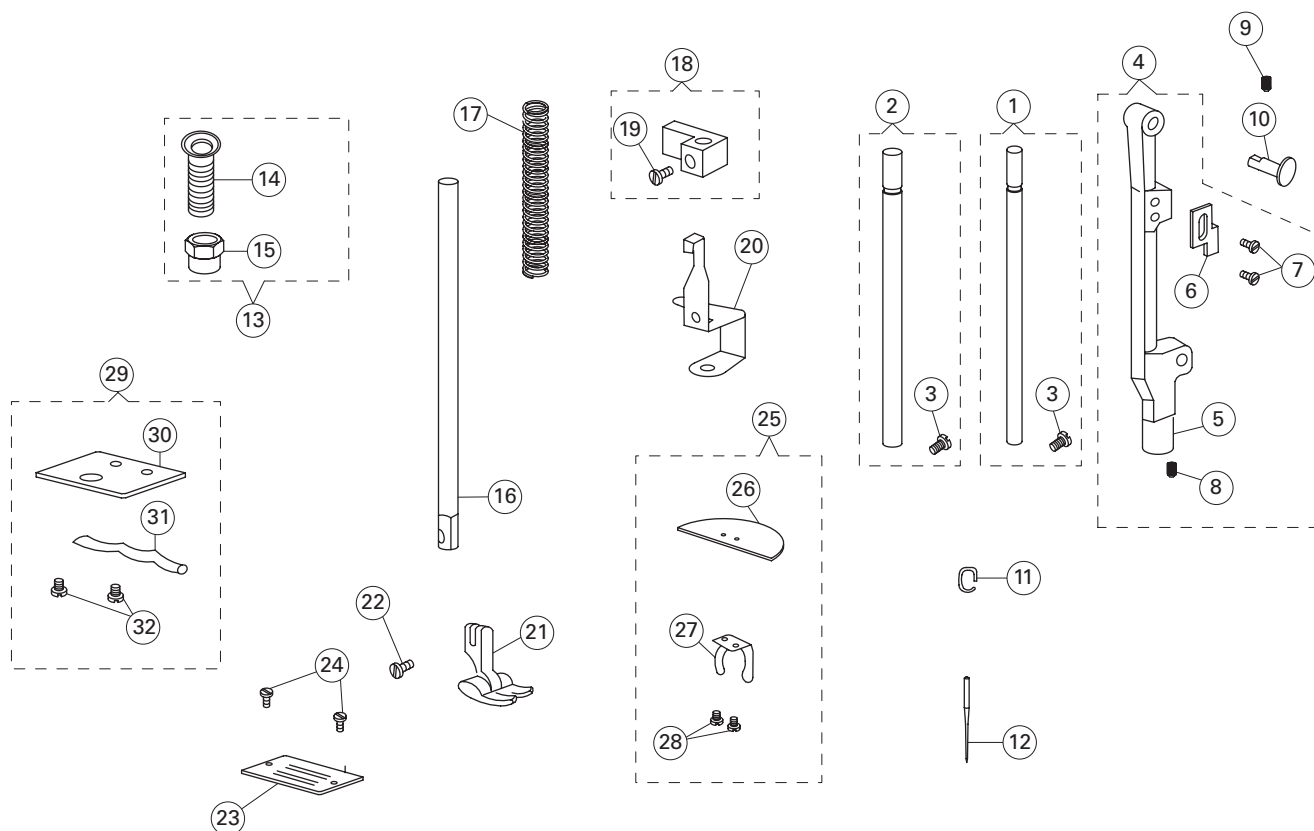
6.2

Thread Take-up, Arm Shaft and Handwheel Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
11	606467	Needle bar connecting hinge pin	1	1	1	1	1	1
12	606465	Washer	1	1	1	1	1	1
13	606473	Thread take-up crank	1	1	1	1	1	1
14	606643	Hinge stud	1	1	1	1	1	1
15	606420	Hinge stud set screw	1	1	1	1	1	1
16	606469	Guide	1	1	1	1	1	1
17	606444	Screw	2	2	2	2	2	2
18	606644	Arm shaft and needle bar crank assembly	1	1	1	1	1	1
19	606484	Arm shaft	1	1	1	1	0	1
	601478	Arm shaft	0	0	0	0	1	0
20	606478	Needle bar crank assembly	1	1	1	1	1	1
21	606477	Needle bar crank position screw	1	1	1	1	1	1
22	504066	Position screw	1	1	1	1	1	1
23	504101	Crank set screw	1	1	1	1	1	1
24	606480	Bushing (front) set screw	1	1	1	1	1	1
25	606481	Bushing (front)	1	1	1	1	1	1
26	541606	Bevel gear assembly	1	1	1	1	1	1
27	504066	Bevel gear set screw	2	2	2	2	2	2
28	541607	Worm gear assembly	1	1	1	1	0	0
	541607-308	Worm gear assembly	0	0	0	0	1	0
29	504028	Worm gear screw	2	2	2	2	2	2
30	606483	Feed eccentric assembly	1	1	1	1	1	1
31	606482	Feed eccentric screw	1	1	1	1	1	1
32	606482	Feed eccentric screw	1	1	1	1	1	1
33	606645	Retaining ring	1	1	1	1	1	1
34	606480	Arm shaft bushing screw	1	1	1	1	1	1
35	606485	Arm shaft bushing, back	1	1	1	1	1	1
36	606487	Cam flanged bushing	1	1	1	1	1	1
37	606488	Cam bushing set screw	1	1	1	1	1	1
38	505009	Cam clamp washer	1	1	1	1	1	1
39	415763-383	Cam clamp screw	1	1	1	1	1	1
40	154756	Cam clamp stop screw	1	1	1	1	0	1
41	606489	Handwheel	1	1	1	1	0	1
	601489	Handwheel	0	0	0	0	1	0
42	606420	Screw	2	2	2	2	2	2
43	606712	Retaining collar assembly	1	1	1	1	1	1
44	606713	Retaining collar screw	2	2	2	2	2	2
45	53C/5-17	Sensor	0	0	0	0	0	1
46	10.2-37	Screw	0	0	0	0	0	2

6.3

Needle Bar, Presser Bar and Needle Plate Components



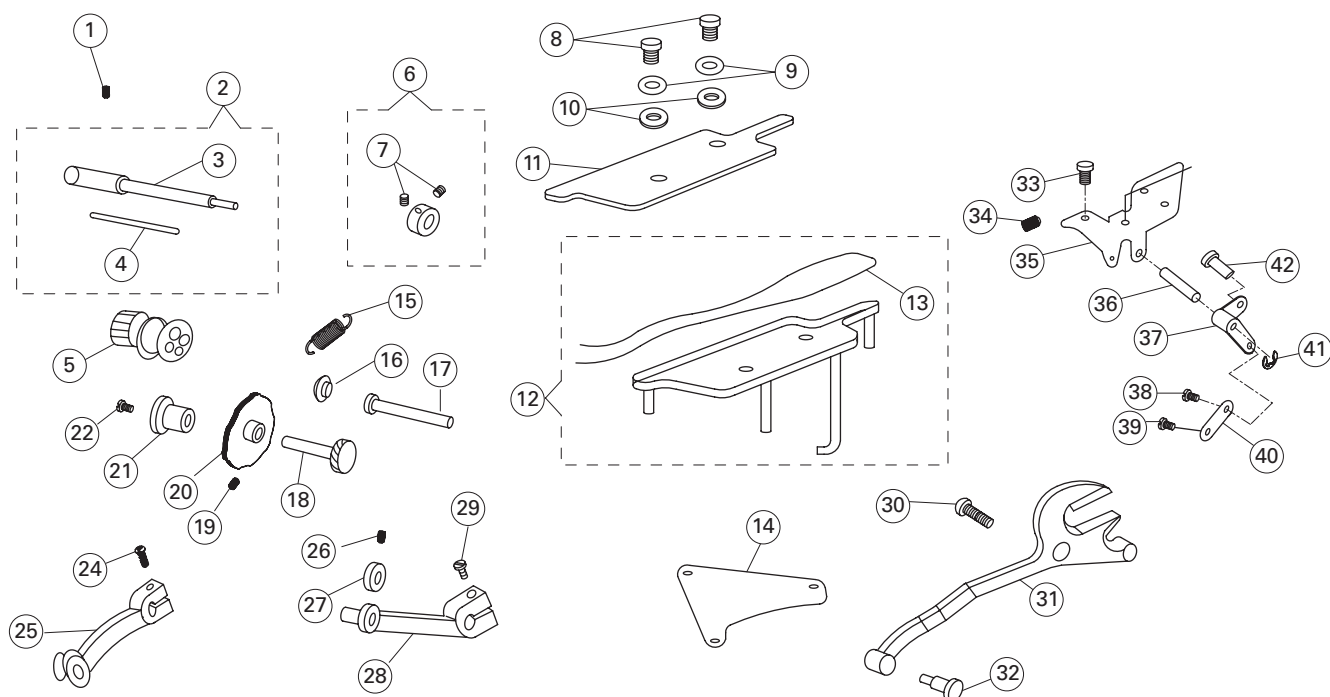
6.3

Needle Bar, Presser Bar and Needle Plate Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606646	Needle bar	1	1	0	0	1	1
2	606461	Needle bar	0	0	1	1	0	0
3	606463	Needle clamp screw	1	1	1	1	1	1
4	606647	Needle bar frame assembly	1	1	1	1	1	1
5	606456	Needle bar frame	1	1	1	1	1	1
6	606458	Indicator plate	1	1	1	1	1	1
7	606459	Indicator plate screw	2	2	2	2	2	2
8	606457	Eccentric pin set screw	1	1	1	1	1	1
9	606516	Set screw	1	1	1	1	1	1
10	606460	Needle bar frame pin	1	1	1	1	1	1
11	GR466-8	Needle bar tread guard	1	1	0	0	1	1
	GR252-8	Needle bar tread guard	0	0	1	1	0	0
12	1910-05	Needle (1910-05 #14)	1	1	1	1	1	1
13	606648	Presser bar thumb screw & nut assembly	1	1	1	1	1	1
14	606592	Presser bar thumb screw	1	1	1	1	1	1
15	606649	Presser bar thumb screw nut	1	1	1	1	1	1
16	606594	Presser bar	1	1	1	1	1	1
17	606593	Presser bar spring	1	1	1	1	1	1
18	606600	Presser bar bracket assembly	1	1	1	1	1	1
19	606599	Screw	1	1	1	1	1	1
20	606601	Presser bar lifting bracket	1	1	1	1	1	1
21	606650	Presser foot assembly	1	1	0	0	1	1
	606651	Presser foot assembly	0	0	1	1	0	0
22	606444	Presser foot screw	1	1	1	1	1	1
23	606652	Needle plate	1	1	0	0	1	1
	606402	Needle plate	0	0	1	1	0	0
24	606403	Needle plate screw	1	1	1	1	1	1
25	606653	Bed plate assembly	1	1	1	1	1	1
26	606404	Bed plate	1	1	1	1	1	1
27	606405	Bed plate spring	1	1	1	1	1	1
28	606401	Bed plate screw	2	2	2	2	2	2
29	606654	Slide plate assembly	1	1	1	1	1	1
30	606399	Slide plate	1	1	1	1	1	1
31	606400	Slide plate spring	1	1	1	1	1	1
32	606401	Slide plate spring screw	2	2	2	2	2	2

6.4

Zigzag Triangular Cam and Hook Advancing Crank Components



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606420	Set screw	1	1	1	1	0	0
2	606539	Cam shaft assembly	1	1	1	1	0	0
3	606655	Cam shaft	1	1	1	1	0	0
	606655-308	Cam shaft	0	0	0	0	1	0
4	606656	Cam shaft oil wick	1	1	1	1		
5	410031	Zigzag cam and gear assembly	1	1	0	0	0	0
	410056	Zigzag cam and gear assembly	0	0	1	1	0	0
6	606542	Cam shaft collar assembly	1	1	1	1	0	0
7	606541	Collar set screw	2	2	2	2	0	0
8	606444	Screw	2	2	2	2	0	2
9	606590	Spring washer	2	2	2	2	0	2
10	606589	Washer	2	2	2	2	0	2

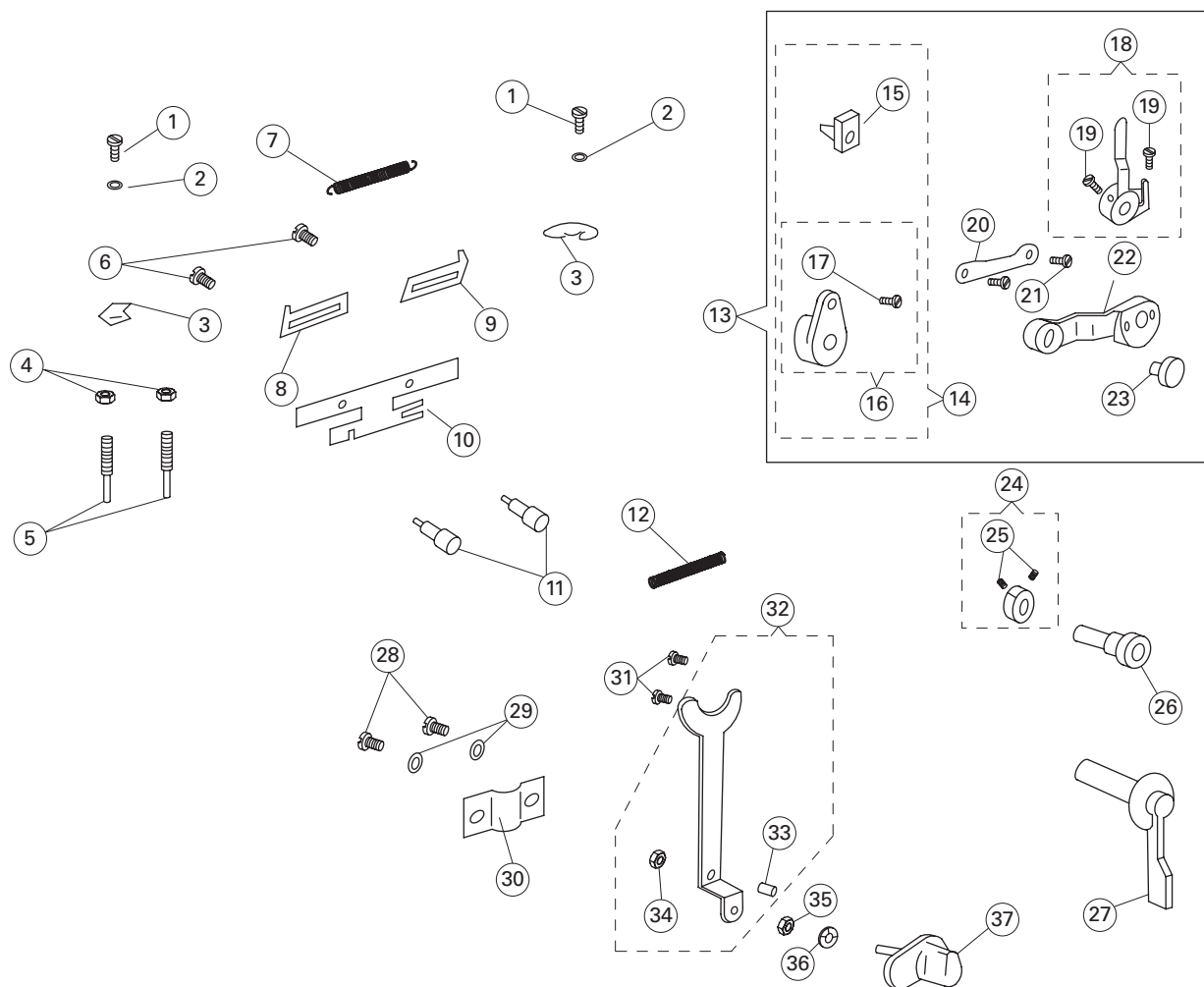
6.4

Zigzag Triangular Cam and Hook Advancing Crank Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
11	606588	Oil felt	1	1	1	1	0	1
12	606657	Oil reservoir assembly	1	1	0	0	0	1
	606586	Oil reservoir assembly	0	0	1	1	0	0
13	606658	Oil wick	1	1	1	1	0	1
14	606659	Oil reservoir bracket	1	1	0	0	0	1
15	GW178-8	Spring	0	0	0	0	1	0
16	GR243	Rubber cap	0	0	0	0	1	0
17	GZ222-9	Following shaft	0	0	0	0	1	0
18	GC149-8	Leaning gear	0	0	0	0	1	0
19	GS202-8	Sleeve screw of cam assembly	0	0	0	0	1	0
20	GR461/2-8	Cam assembly	0	0	0	0	1	0
21	GO226-8	Leaning gear sleeve	0	0	0	0	1	0
22	GS166-8	Left-hand screw	0	0	0	0	1	0
24	GS258-8	Screw of drive lever	0	0	0	0	1	0
25	GR458/3-8	Regulator fork drive lever assembly	0	0	0	0	1	0
26	GS202-8	Washer screw	0	0	0	0	1	0
27	GO164-8	Washer of following lever	0	0	0	0	1	0
28	GR460/-8	Following lever assembly	0	0	0	0	1	0
29	GS020	Screw of following lever	0	0	0	0	1	0
30	606664	Slide block cap screw	1	1	1	1	1	0
31	606663	Zigzag stitch regulator fork	1	1	0	0	0	0
	606538	Zigzag stitch regulator fork	0	0	1	1	0	0
	606663-308	Zigzag stitch regulator fork	0	0	0	0	1	0
32	606545	Fork eccentric connection pin	1	1	1	1	1	0
33	GS256-8	Screw of locating rack	0	0	1	1	0	0
34	GS213-8	Set screw of locating rack sleeve	0	0	1	1	0	0
35	GR390/2-8	Locating rack assembly	0	0	1	1	0	0
36	GZ175-8	Differential connecting shaft	0	0	1	1	0	0
37	GH210/3-8	Differential crank assembly	0	0	1	1	0	0
38	GS216-8	Screw of differential connecting bar	0	0	1	1	0	0
39	GS217-8	Connecting screw for sliding block	0	0	1	1	0	0
40	GH179-8	Differential connecting shaft	0	0	1	1	0	0
41	GO177-8	Differential connecting shaft snap ring	0	0	1	1	0	0
42	GS219-8	Differential connecting bar screw	0	0	1	1	0	0

6.5

Bight Amplitude, Bight and L-C-R Position Components



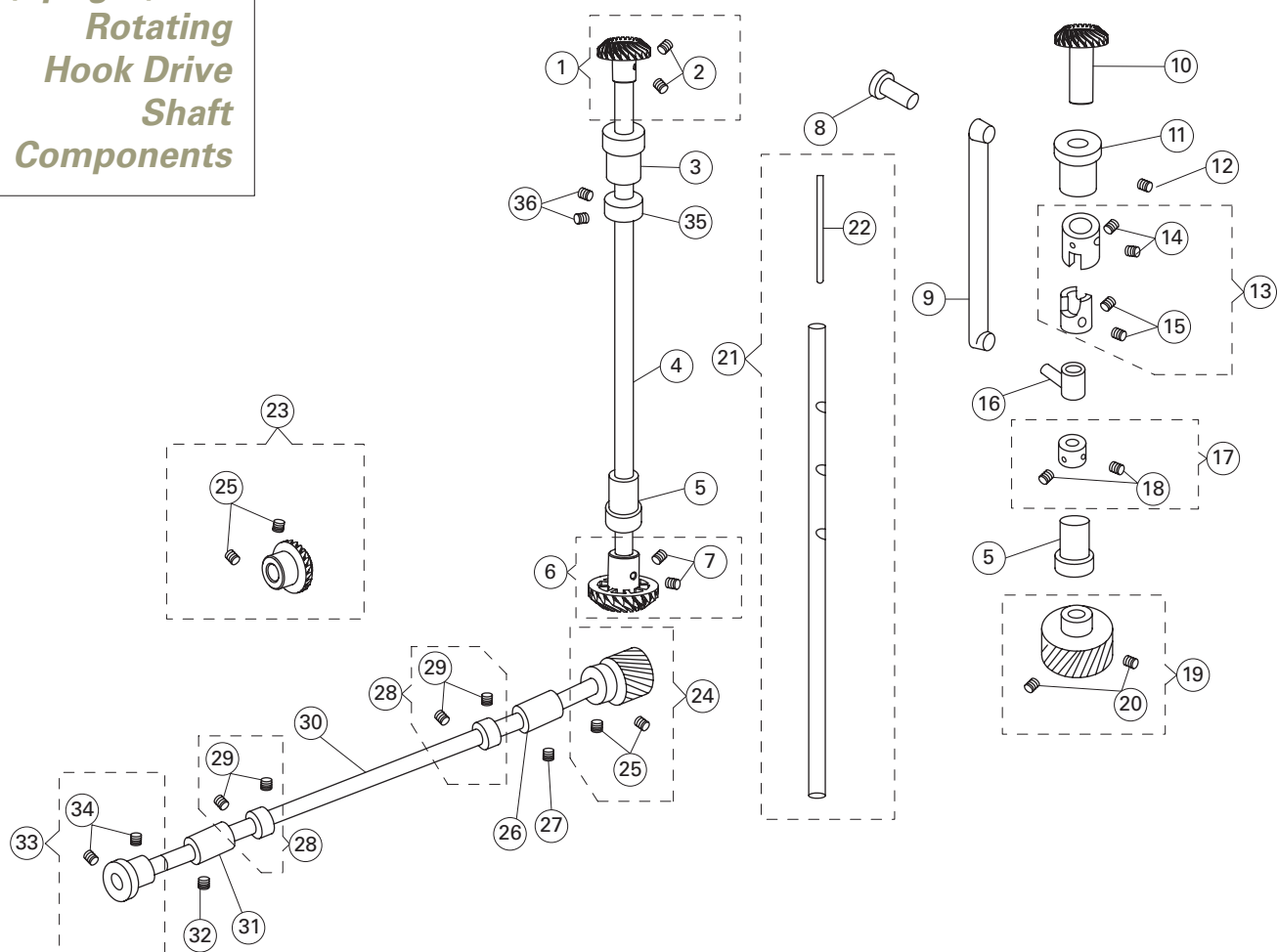
6.5

Bight Amplitude, Bight and L-C-R Position Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606511	Screw	2	2	2	2	2	0
2	606571	Washer	2	2	2	2	2	0
3	606569	Stop plate	2	2	2	2	2	0
4	606554	Lever arm regulating screw nut	2	2	2	2	2	0
5	606553	Lever arm regulating screw	2	2	2	2	2	0
6	606572	Screw	2	2	2	2	2	0
7	606577	Spring	1	1	1	1	1	0
8	606575	Regulating plate (left)	1	1	1	1	1	0
9	606576	Regulating Plate (right)	1	1	1	1	1	0
10	606574	Regulating plate holder	1	1	1	1	1	0
11	606573	Thumb screw	2	2	2	2	2	0
12	606556	Spring	1	1	1	1	1	0
13	606665	Bight amplitude control mech. assembly	1	1	0	0	0	0
	606666	Bight amplitude control mech. assembly	0	0	1	1	0	0
14	606667	Slide block & guide assembly	1	1	0	0	0	0
	606668	Slide block & guide assembly	0	0	1	1	0	0
15	606546	Slide block	1	1	1	1	0	0
16	606669	Slide block guide assembly	1	1	0	0	0	0
	606547	Slide block guide assembly	0	0	1	1	0	0
17	606670	Guide stud set screw	1	1	1	1	0	0
18	606557	Slide block crank assembly	1	1	1	1	0	0
	606557-308	Slide block crank assembly	0	0	0	0	1	0
19	606555	Slide block crank set screw	2	2	2	2	2	0
20	606549	Slide block crank link	1	1	1	1	0	0
	606549-308	Slide block crank link	0	0	0	0	1	0
21	606671	Hinge screw	2	2	2	2	2	0
22	606551	Position lever arm	1	1	1	1	1	0
23	606552	Guide stud	1	1	1	1	1	0
24	606560	Collar assembly	1	1	1	1	1	0
25	606518	Collar set screw	2	2	2	2	2	0
26	606562	Crank shaft bushing	1	1	1	1	1	0
27	554139-383	Crank shaft knob assembly	1	1	1	1	1	0
28	606564	Position block screw	2	2	2	2	0	0
29	606568	Position block screw washer	2	2	2	2	0	0
30	606673	Position block	1	1	0	0	0	0
	606563	Position block	0	0	1	1	0	0
31	606674	Position lever screw	2	2	2	2	0	0
32	606566	Position lever assembly	1	1	1	1	0	0
33	606565	Position lever screw pin	1	1	1	1	0	0
34	606675	Position lever screw pin nut	1	1	1	1	0	0
35	606675	Thumb stud nut	1	1	1	1	0	0
36	606676	Thumb stud spring washer	1	1	1	1	0	0
37	554140-383	Thumb stud	1	1	1	1	0	0

6.6

Arm Shaft (upright) and Rotating Hook Drive Shaft Components



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	541610	Bevel gear assembly (upper)	1	1	0	0	1	1
2	504101	Bevel gear set screw	2	2	0	0	2	2
3	606677	Arm shaft bushing (upper)	1	1	0	0	1	1
4	606678	Arm shaft (upright)	1	1	0	0	1	1
5	606527	Upright bushing (lower)	1	1	1	1	1	1
6	541609	Bevel gear assembly (lower)	1	1	0	0	1	1
7	504101	Bevel gear set screw	2	2	0	0	2	2
8	606585	Connection screw	0	0	1	1	0	0
9	606536	Hook advance crank connecting rod	0	0	1	1	0	0
10	606535	Bevel gear (upper)	0	0	1	1	0	0

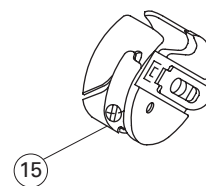
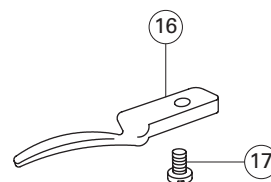
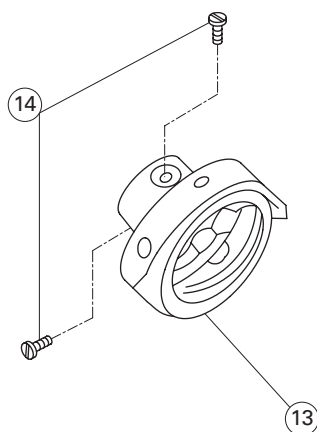
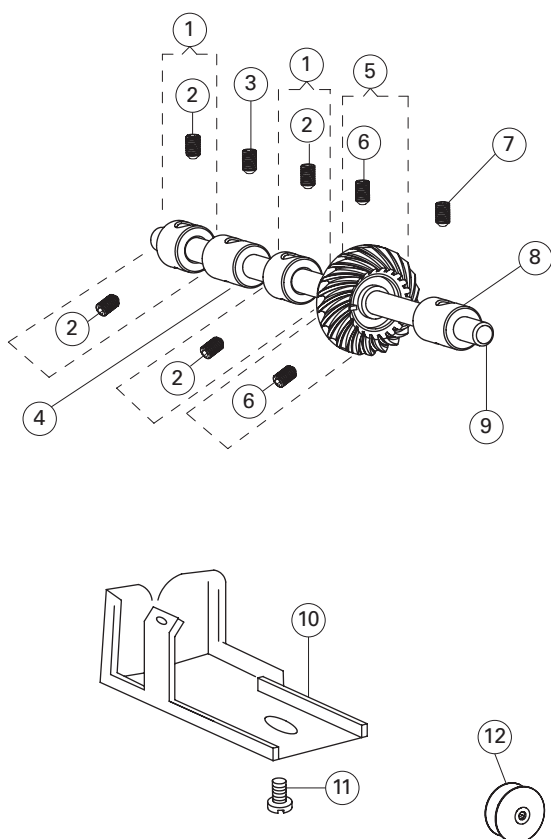
6.6

Arm Shaft (upright) and Rotating Hook Drive Shaft Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
11	606533	Upright bushing (upper)	0	0	1	1	0	0
12	606534	Bushing set screw	0	0	1	1	0	0
13	606679	Clutch sleeve assembly	0	0	1	1	0	0
14	504101	Clutch sleeve (upper) screw	0	0	2	2	0	0
15	504101	Clutch sleeve screw	0	0	2	2	0	0
16	606528	Connecting stud	0	0	1	1	0	0
17	606523	Retaining collar assembly	0	0	1	1	0	0
18	504101	Retaining collar screw	0	0	2	2	0	0
19	543914	Screw gear assembly	0	0	1	1	0	0
20	504101	Gear set screw	0	0	2	2	0	0
21	606537	Arm shaft (upright) assembly	0	0	1	1	0	0
22	606680	Arm shaft oil wick	0	0	2	2	0	0
23	541684	Hook drive shaft bevel gear assembly (back)	1	1	0	0	1	1
24	543944	Hook drive shaft screw gear assembly (back)	0	0	1	1	0	0
25	504101	Hook drive shaft screw gear set screw	2	2	2	2	2	2
26	606681	Hook drive shaft bushing (back)	1	1	0	0	1	1
	606525	Hook drive shaft bushing (back)	0	0	1	1	0	0
27	606420	Set screw	1	1	1	1	1	1
28	606523	Retaining collar assembly	1	1	0	0	1	1
	606523	Retaining collar assembly	0	0	2	2	0	0
29	504101	Retaining collar screw	2	2	0	0	2	2
	504101	Retaining collar screw	0	0	4	4	0	0
30	606682	Hook drive shaft	1	1	0	0	1	1
	606526	Hook drive shaft	0	0	1	1	0	0
31	606522	Hook drive shaft bushing (front)	1	1	1	1	1	1
32	606420	Set screw	1	1	1	1	1	1
33	541685	Hook drive shaft bevel gear assembly (front)	1	1	1	1	1	1
34	504101	Bevel gear screw	2	2	2	2	2	2
35	606523	Arm shaft (upright) collar assembly	1	1	0	0	1	1
36	504101	Arm shaft (upright) collar screw	2	2	0	0	2	2
35	606675	Thumb stud nut	1	1	1	1	0	0
36	606676	Thumb stud spring washer	1	1	1	1	0	0
37	554140-383	Thumb stud	1	1	1	1	0	0

6.7

Hook and Bobbin Case Components



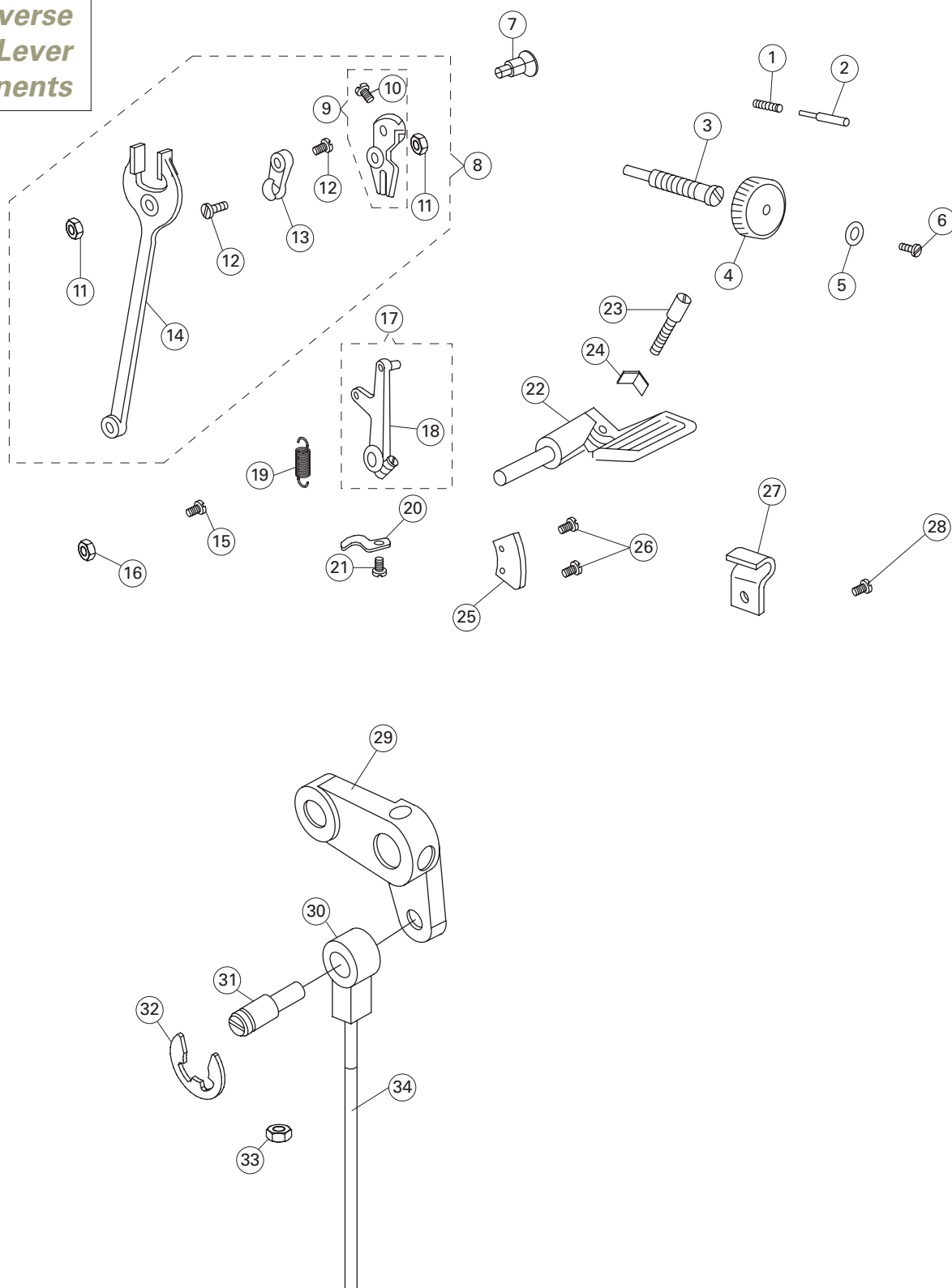
6.7

Hook and Bobbin Case Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606517	Hook shaft collar assembly	2	2	2	2	2	2
2	606518	Hook shaft collar screw	4	4	4	4	4	4
3	606516	Set screw	1	1	1	1	1	1
4	606519	Hook shaft bushing (short)	1	1	1	1	1	1
5	541689	Bevel gear assembly	1	1	1	1	1	1
6	504101	Bevel gear screw	2	2	2	2	2	2
7	606516	Set screw	1	1	1	1	1	1
8	606515	Hook shaft bushing (long)	1	1	1	1	1	1
9	606520	Hook shaft	1	1	1	1	1	1
10	606410	Gear shield	1	1	1	1	1	1
11	606444	Screw	1	1	1	1	1	1
12	606513	Bobbin	1	1	1	1	1	1
13	606683	Rotating hook assembly	1	0	0	0	1	1
	606683C	Rotating hook assembly	0	1	0	0	0	0
	606514	Rotating hook assembly	0	0	1	0	0	0
	606514C	Rotating hook assembly	0	0	0	1	0	0
14	606684	Rotating hook set screw	2	2	2	2	2	2
15	606512	Bobbin case assembly	1	1	1	1	1	1
16	606510	Hook position finger	1	1	1	1	1	1
17	606511	Position finger screw	1	1	1	1	1	1

6.8

Feed Regul- ing Dial and Feed Reverse Lever Components



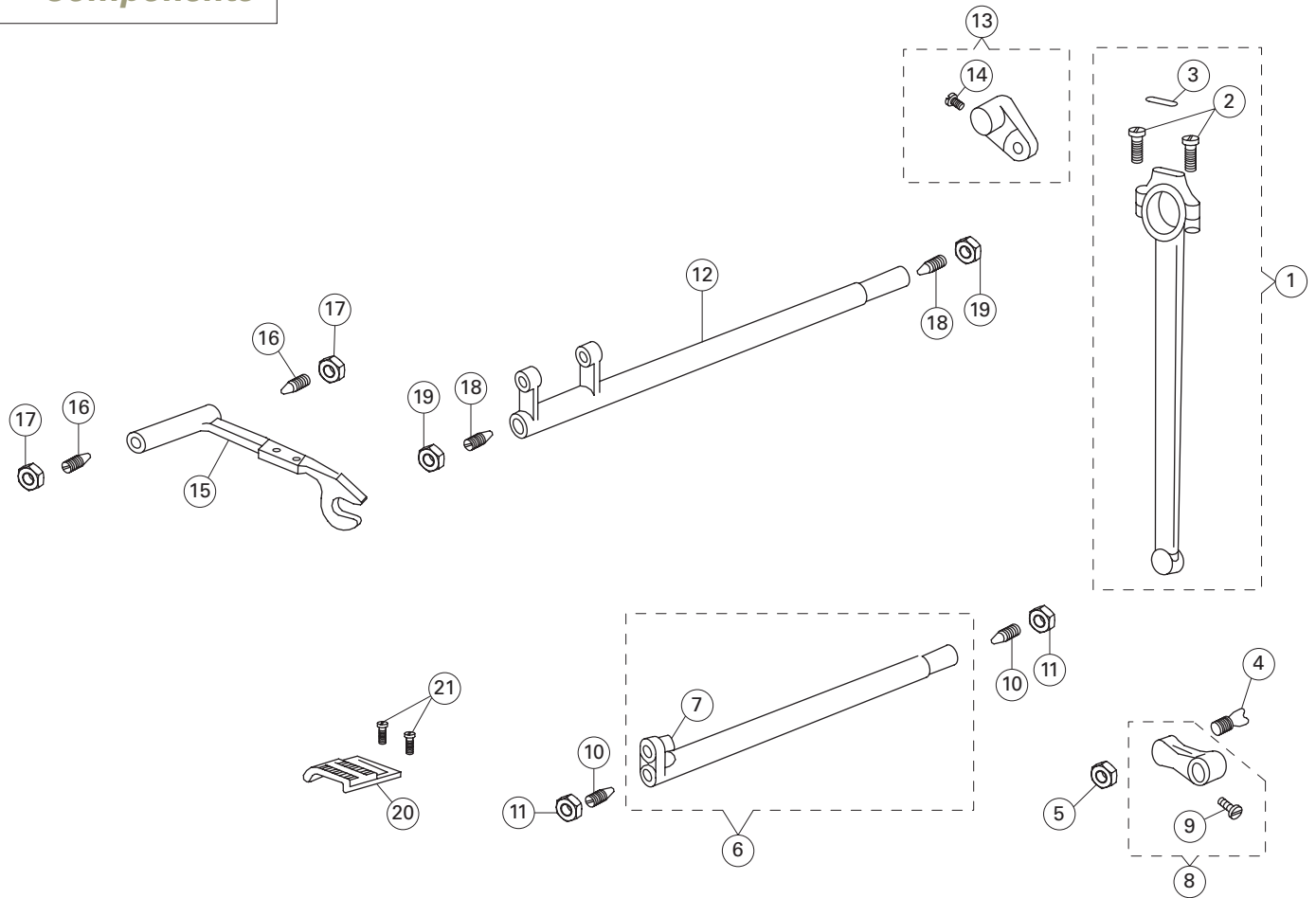
6.8

Feed Regulating Dial and Feed Reverse Lever Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606618	Spring	1	1	1	1	1	0
2	606617	Stud lock pin	1	1	1	1	1	0
3	606609	Feed regulating stud	1	1	1	1	1	0
4	554138-383	Feed regulation dial	1	1	1	1	1	0
5	543803-004	Dial screw washer	1	1	1	1	1	0
6	544218-053	Dial screw	1	1	1	1	1	0
7	606610	Hinge stud	1	1	1	1	1	0
8	606685	Feed regulator & fork assembly	1	1	1	1	1	0
9	606611	Feed regulator assembly	1	1	1	1	1	0
10	606686	Screw	1	1	1	1	1	0
11	606494	Hinge screw nut	1	1	1	1	1	0
12	606496	Hinge screw	2	2	2	2	2	0
13	606495	Feed connecting link	2	2	2	2	2	0
14	606509	Feed fork connection.	1	1	1	1	1	0
15	606496	Hinge screw	1	1	1	1	1	0
16	606494	Hinge screw nut	1	1	1	1	1	0
17	606615	Reverse lever link assembly	1	1	1	1	1	0
18	606434	Clamp screw	1	1	1	1	1	0
19	606612	Spring	1	1	1	1	1	0
20	606614	Spring bracket	1	1	1	1	1	0
21	606602	Screw	1	1	1	1	1	0
22	554131-467	Reverse lever assembly	1	1	1	1	0	0
	551131-467	Reverse lever assembly	0	0	0	0	1	0
23	374564	Adjusting screw	1	1	1	1	0	0
24	554134	Adjusting screw friction	1	1	1	1	0	0
25	554136	Indicator plate	1	1	1	1	0	0
26	504010-453	Indicator plate screw	2	2	2	2	0	0
27	554135	Adjusting screw stopper	1	1	1	1	0	0
28	544213-001	Stopper set screw	1	1	1	1	0	0
29	53C/7-1	Stitch length crank	0	0	0	0	0	1
30	53C/7-2	Stitch length crank connecting rod	0	0	0	0	0	1
31	53C/7-3	Connecting screw pin	0	0	0	0	0	1
32	GB/T896-1986	E ring	0	0	0	0	0	1
33	GB/T6713-2000	Nut	0	0	0	0	0	4
34	53C/7-4	Stitch length link	0	0	0	0	0	1

6.9

Feed Mechanism Components



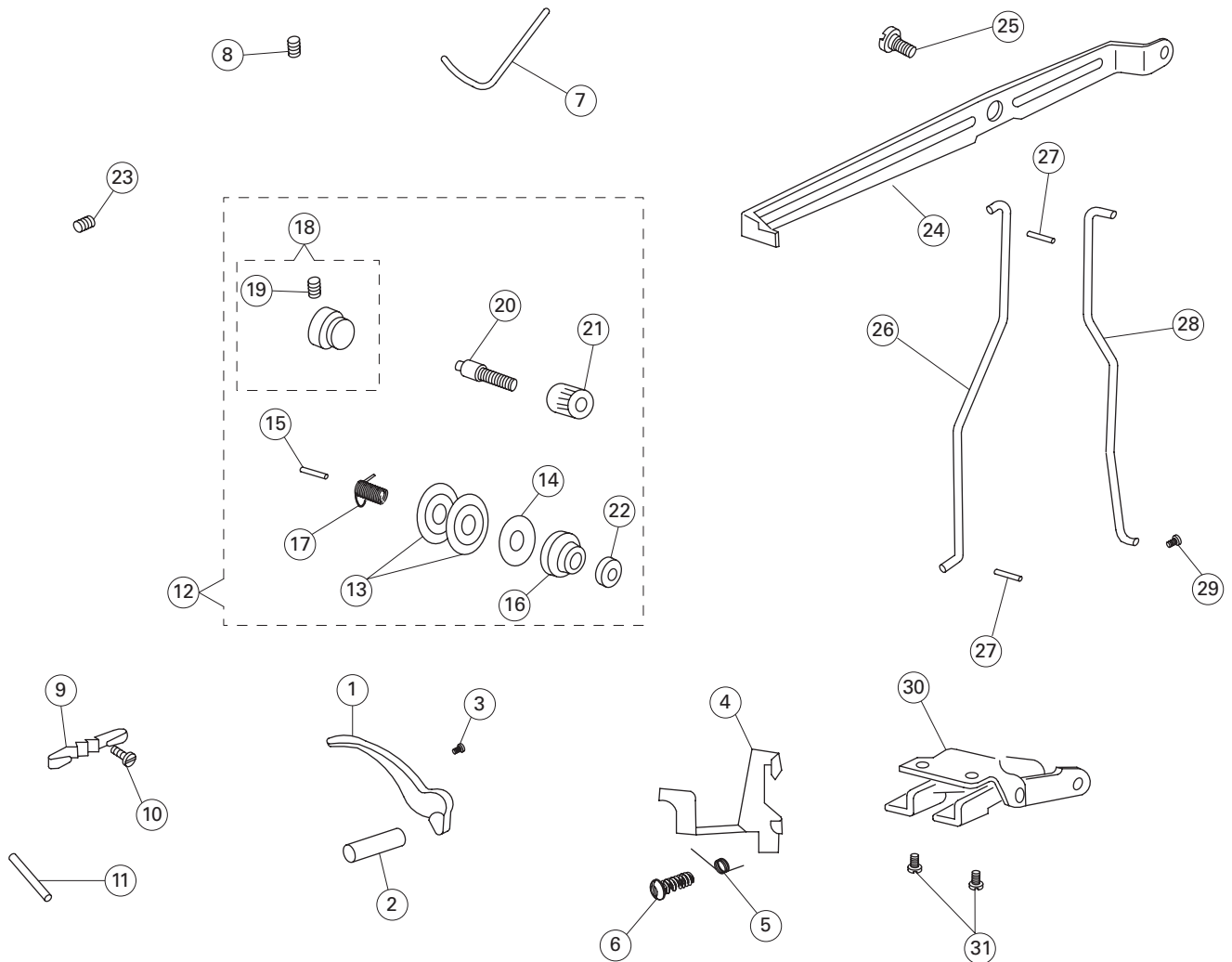
6.9

Feed Mechanism Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606493	Connecting rod assembly	1	1	1	1	1	1
2	606434	Connecting rod cap screw	2	2	2	2	2	2
3	606492	Oil felt	1	1	1	1	1	1
4	606496	Hinge screw	1	1	1	1	1	1
5	606494	Hinge screw nut	1	1	1	1	1	1
6	606507	Feed lifting rock shaft assembly	1	1	1	1	1	1
7	606687	Roller and Stud	1	1	1	1	1	1
8	606508	Lifting rock shaft crank assembly	1	1	1	1	1	1
9	606500	Crank clamping screw	1	1	1	1	1	1
10	606497	Screw center	2	2	2	2	2	2
11	606498	Screw center nut	2	2	2	2	2	2
12	606505	Feed rock shaft	1	1	1	1	1	1
13	606499	Feed rock shaft crank assembly	1	1	1	1	1	1
14	606500	Crank clamping screw	1	1	1	1	1	1
15	606506	Feed bar	1	1	1	1	1	1
16	606503	Screw center	2	2	2	2	2	2
17	606504	Screw center nut	2	2	2	2	2	2
18	606497	Screw center	2	2	2	2	2	2
19	606498	Screw center nut	2	2	2	2	2	2
20	606688	Feed dog	1	1	0	0	1	1
	606502	Feed dog	0	0	1	1	0	0
21	606501	Feed dog screw	2	2	2	2	2	2

6.10

Presser Bar Lifter and Thread Tension Components



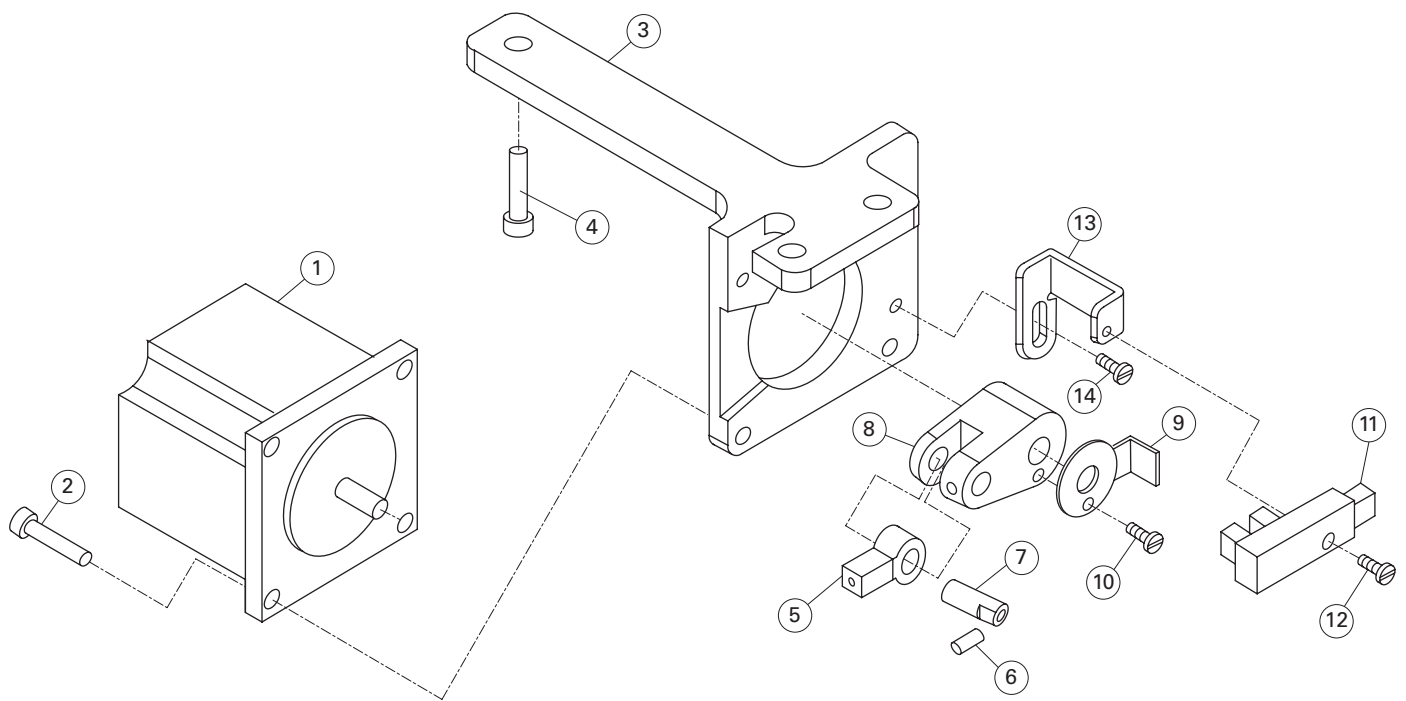
6.10

Presser Bar Lifter and Thread Tension Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606598	Hand lifter lever	1	1	1	1	1	1
2	606597	Hand lifter lever pin	1	1	1	1	1	1
3	606599	Screw	1	1	1	1	1	1
4	606413	Tension release lever	1	1	1	1	1	1
5	606412	Tension release lever screw spring	1	1	1	1	1	1
6	606411	Tension release lever screw	1	1	1	1	1	1
7	410413	Thread retainer	1	1	1	1	1	1
8	606518	Thread retainer screw	1	1	1	1	1	1
9	606416	Thread guide	1	1	1	1	1	1
10	606444	Thread guide screw	1	1	1	1	1	1
11	606414	Thread guard pin	1	1	1	1	1	1
12	606689	Tension assembly	1	1	1	1	1	1
13	606425	Tension disc	2	2	2	2	2	2
14	606426	Tension releasing disc	1	1	1	1	1	1
15	606418	Tension release pin	1	1	1	1	1	1
16	606427	Tension spring	1	1	1	1	1	1
17	606422	Thread Take-up Spring	1	1	1	1	1	1
18	606419	Tension base assembly	1	1	1	1	1	1
19	606421	Tension securing screw	1	1	1	1	1	1
20	606424	Tension stud	1	1	1	1	1	1
21	606429	Thumb nut	1	1	1	1	1	1
22	606428	Thumb nut washer	1	1	1	1	1	1
23	600420	Set screw	1	1	1	1	1	1
24	606607	Lifting lever	1	1	1	1	1	0
	53C/6-1	Lifting lever	0	0	0	0	0	1
25	606608	Hinge screw	1	1	1	1	1	1
26	606605	Connecting rod	1	1	1	1	1	1
27	606604	Connecting rod pin	2	2	2	2	2	2
28	606606	Connecting rod	1	1	1	1	1	0
29	606604	Connecting rod pin	1	1	1	1	1	0
30	606603	Bell crank assembly	1	1	1	1	1	1
31	606602	Screw	2	2	2	2	2	2

6.11

**Feed
Mechanism
Components
for 20E-910
only**



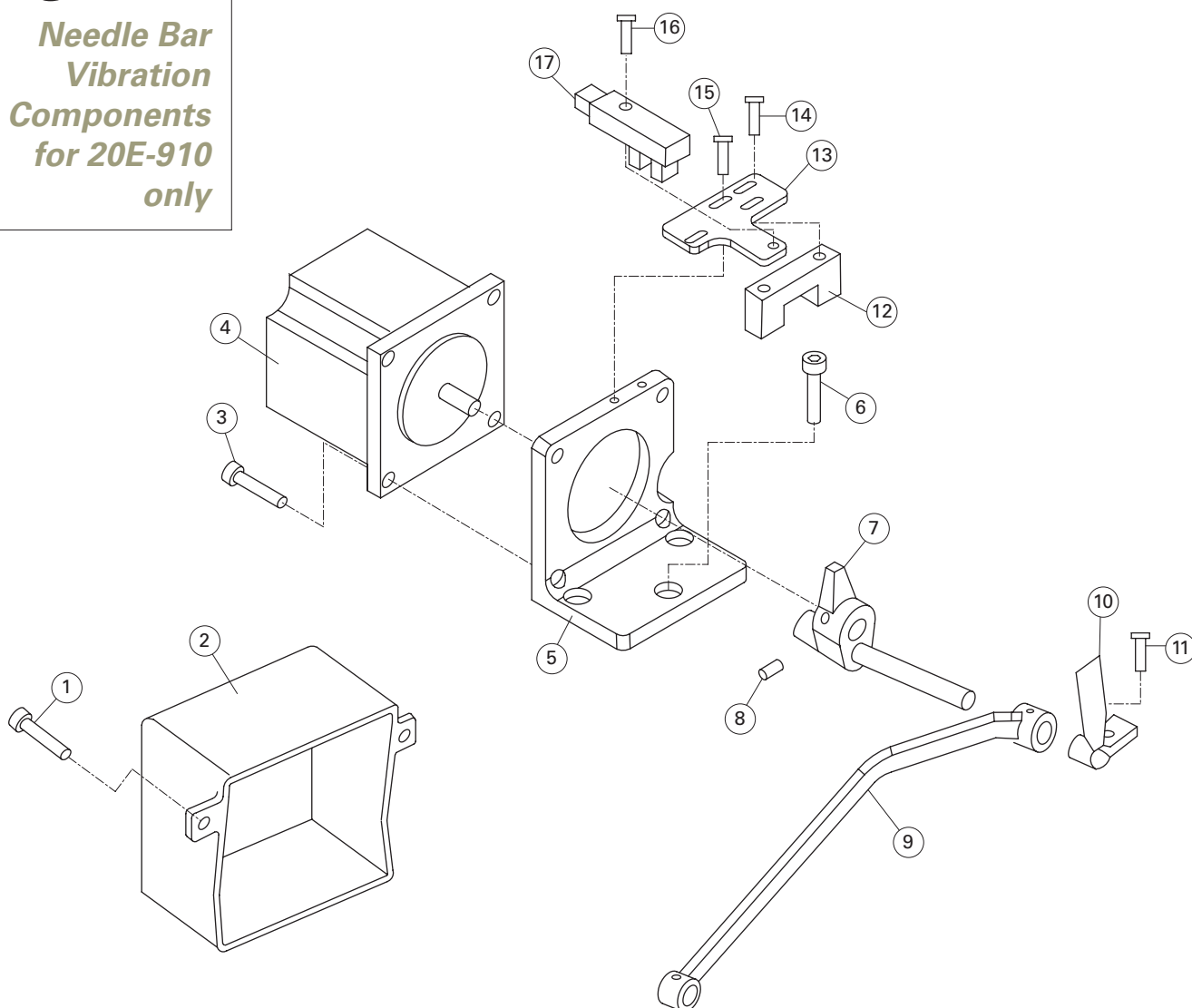
6.11

Feed Mechanism Components for 20E-910 only

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	53C/7-11	Feed pulse motor	0	0	0	0	0	1
2	50020004	Screw	0	0	0	0	0	4
3	53C/7-5	Motor base for feeding pulse motor	0	0	0	0	0	1
4	50020029	Screw	0	0	0	0	0	3
5	53C/7-2	Feed regulator connecting bar pin	0	0	0	0	0	1
6	500B0015	Screw	0	0	0	0	0	1
7	53C/7-7	Feed pulse motor crank pin	0	0	0	0	0	1
8	53C/7-6	Feed pulse motor crank	0	0	0	0	0	1
9	53C/7-8	Feeding sensor shade	0	0	0	0	0	1
10	50020023	Screw	0	0	0	0	0	1
11	53C/7-10	Feeding sensor	0	0	0	0	0	1
12	10.5-26	Screw	0	0	0	0	0	1
13	53C/7-9	Bracket	0	0	0	0	0	1
14	50020011	Screw	0	0	0	0	0	1

6.12

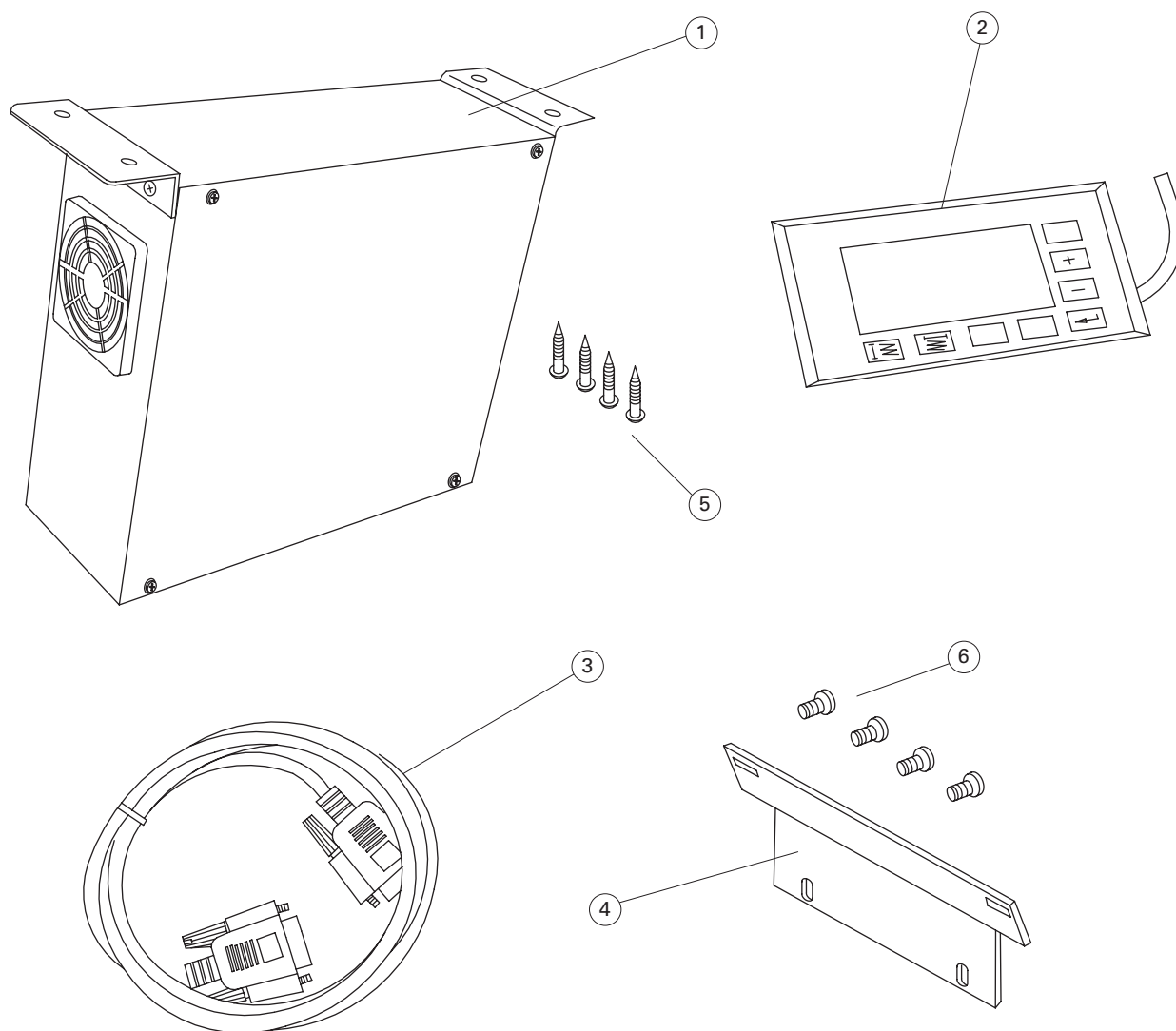
Needle Bar Vibration Components for 20E-910 only



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	W34	Screw	0	0	0	0	0	2
2	53C/5-12	Needle bar vibrating motor cover	0	0	0	0	0	1
3	GB/T70.1-2000	Screw	0	0	0	0	0	1
4	53C/5-8	Needle bar vibrating pulse motor	0	0	0	0	0	2
5	53C/5-7	Needle bar vibrating motor frame	0	0	0	0	0	1
6	50020029	Screw	0	0	0	0	0	3
7	53C/5-2	Needle bar vibrating base	0	0	0	0	0	1
8	50031003	Screw	0	0	0	0	0	4
9	53C/5-1	Fork of horizontal needle	0	0	0	0	0	1
10	53C/5-4	Needle bar vibrating shade	0	0	0	0	0	1
11	50020029	Screw	0	0	0	0	0	1
12	53C/5-14	Limiting stopper of needle bar vibrating sensor	0	0	0	0	0	1
13	53C/5-5	Mounting plate of needle bar vibrating sensor	0	0	0	0	0	1
14	53C/5-15	Screw	0	0	0	0	0	2
15	500B0015	Screw	0	0	0	0	0	1
16	53C/5-9	Needle bar vibrating sensor	0	0	0	0	0	1
17	10.2-37	Screw	0	0	0	0	0	1

6.13

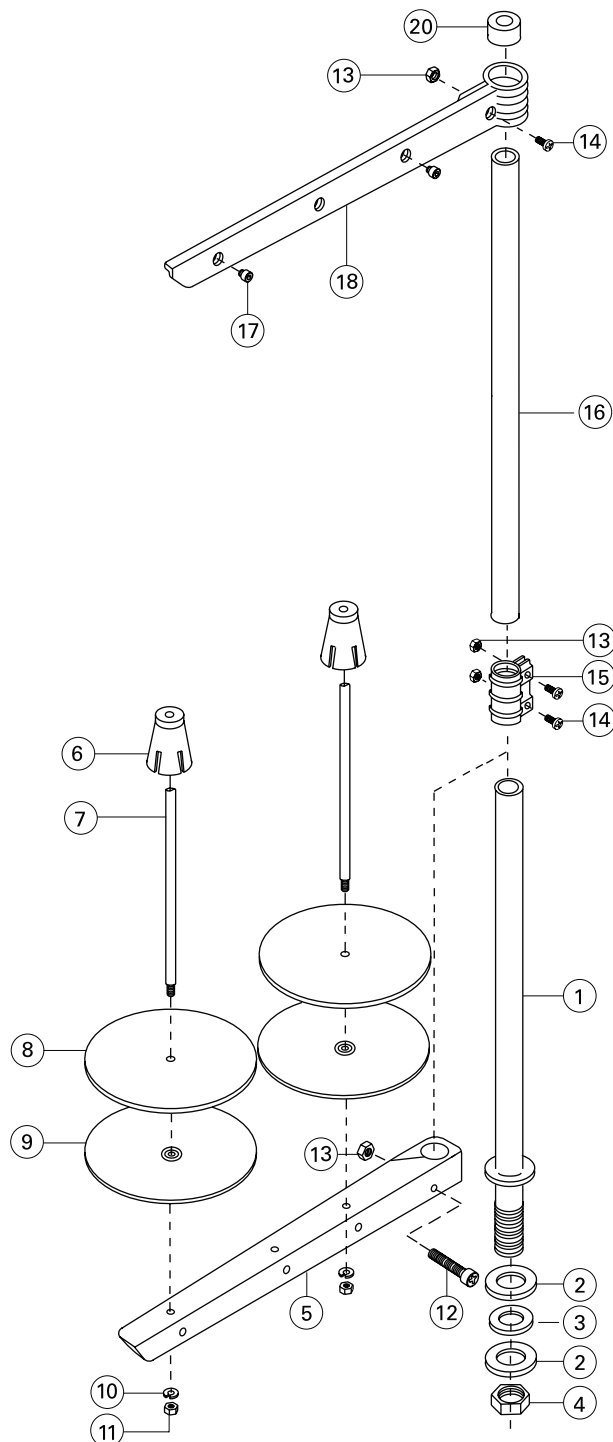
Control System Components for 20E-910 only



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	53C/8-2	Control box	0	0	0	0	0	1
2	53C/8-5	Operation panel	0	0	0	0	0	1
3	53C/8-4	Operation panel cable	0	0	0	0	0	1
4	53C/5-18	Operation panel bracket	0	0	0	0	0	1
5	GB/T845	Screw	0	0	0	0	0	4
6	W34	Screw	0	0	0	0	0	4

6.14

Thread Stand Components



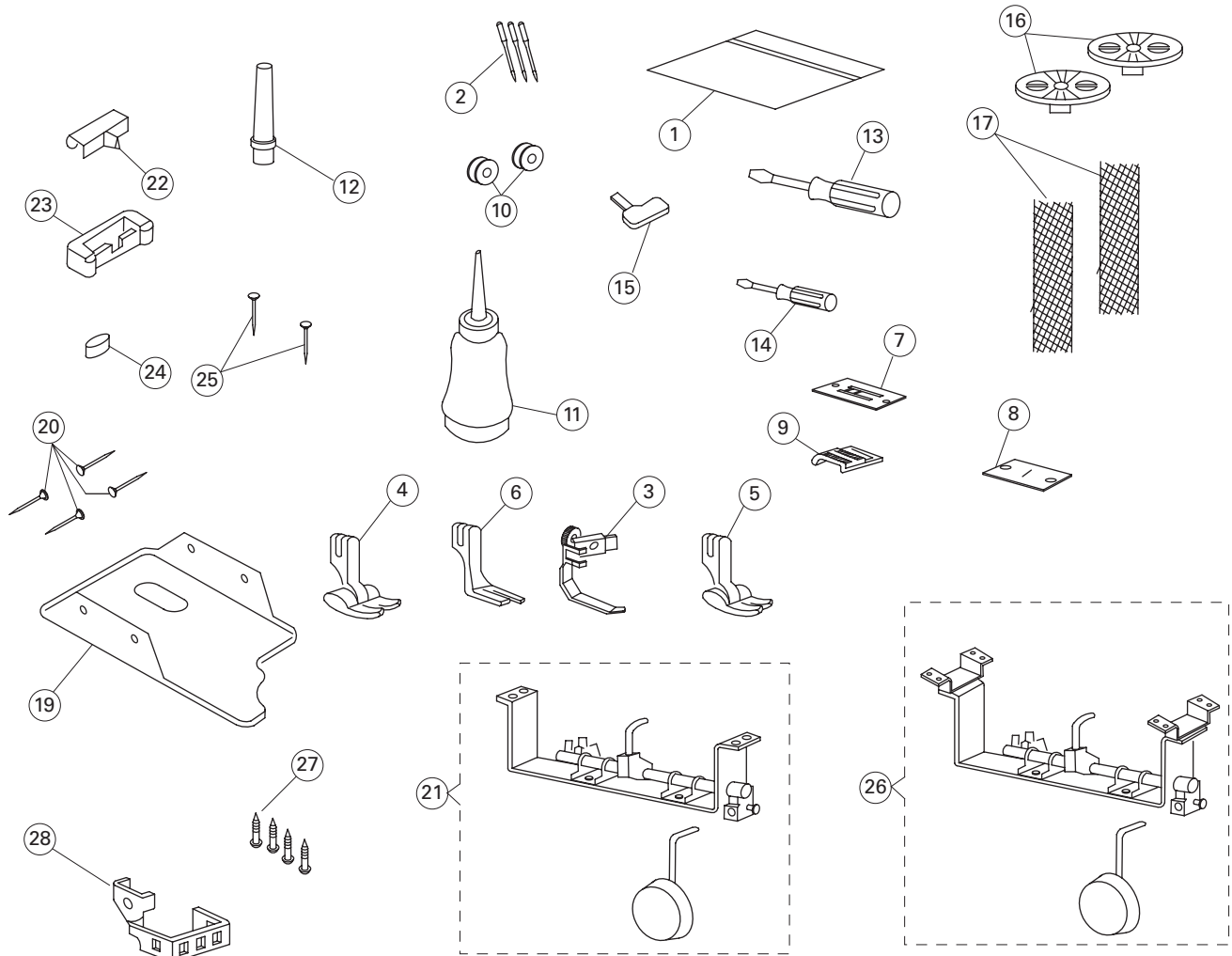
6.14

Thread Stand Components

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	30102032	Thread bar (lower)	1	1	1	1	1	1
2	30128024	Washer	2	2	2	2	2	2
3	10128006	Rubber washer	1	1	1	1	1	1
4	N02001	Nut	1	1	1	1	1	1
5	30101029	Bracket (2 spools)	1	1	1	1	1	1
6	30103044	Spool holder	2	2	2	2	2	2
7	30102033	Spool pin	2	2	2	2	2	2
8	30123014	Cushion	2	2	2	2	2	2
9	30111007	Spool tray	2	2	2	2	2	2
10	W02002	Spring washer	2	2	2	2	2	2
11	N01005	Nut	2	2	2	2	2	2
12	L02004	Screw	1	1	1	1	1	1
13	N01004	Nut	4	4	4	4	4	4
14	S04002	Screw	4	4	4	4	4	4
15	30129005	Joint	1	1	1	1	1	1
16	30102034	Thread bar (upper)	1	1	1	1	1	1
17	30103045	Thread guide hole	2	2	2	2	2	2
18	30101031	Thread guide bar (2 spools)	1	1	1	1	1	1
20	30122027	Rod cap	1	1	1	1	1	1

6.15

Accessories and Attachments



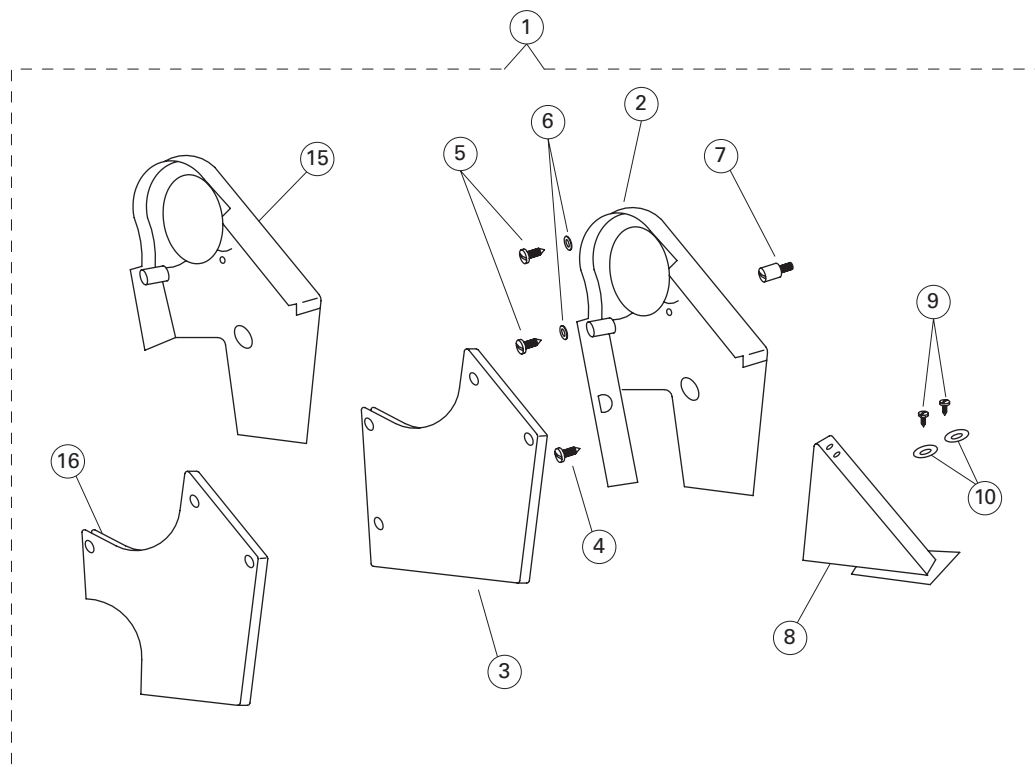
6.15

Accessories and Attachments

No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	606690	Accessory box	1	1	1	1	1	1
2	1910-05	Needle (1910-05 #14)	3	3	3	3	3	3
3	606691	Zipper foot	1	1	1	1	0	0
4	606692	Presser foot assembly (for button holing)	1	1	1	1	0	0
5	606693	Presser foot assembly (for straight stitching)	1	1	1	1	0	0
6	606694	Hemmer foot assembly	1	1	1	1	0	0
7	606695	Needle plate (for straight stitching)	1	1	1	1	0	0
8	606696	Needle plate (for embroidery)	1	1	1	1	0	0
9	606697	Feed dog (for straight stitching)	1	1	1	1	0	0
10	606513	Bobbin	2	2	2	2	2	2
11	606698	Oiler	1	1	1	1	1	1
12	606699	Machine rest pin	1	1	1	1	1	1
13	606700	Screw driver(large)	1	1	1	1	1	1
14	606701	Screw driver(small)	1	1	1	1	1	1
15	606702	Screw driver(for needle plate)	1	1	1	1	0	1
16	606703	Thread spool cap	2	2	2	2	0	2
17	606704	Thread anti-spill net	2	2	2	2	0	2
19	606706	Drip pan	1	1	1	1	1	1
20	606707	Drip pan nail	4	4	4	4	4	4
21	606708	Knee lifter assembly	1	1	1	1	0	1
	GR759/25-8	Knee lifter assembly	0	0	0	0	1	0
22	606709	Machine hinge	2	2	2	2	1	2
23	606710	Machine hinge cushion	2	2	2	2	1	2
24	606711	Machine cushion	4	4	4	4	1	4
25	606707	Nail	6	6	6	6	1	6
26	53C5-21	Knee lifter assembly	0	0	0	0	0	1
27	GB/T845	Screw	4	4	4	4	4	4
28	281822	Finger guard	1	1	1	1	0	0

6.16

Belt Cover Components and Extra Parts



No.	Part No.	Description	Qty					
			109	109C	112	112C	309	910
1	281840-383	Belt cover assembly	1	1	1	1	1	1
2	281833-383	Belt cover (upper)	1	1	1	1	0	1
3	281834-383	Belt cover (upper) cover	1	1	1	1	0	1
4	549116	Belt cover (upper) screw	1	1	1	1	1	1
5	504063-451	Belt cover (upper) screw	2	2	2	2	2	2
6	543875-104	Belt cover (upper) screw washer	2	2	2	2	2	2
7	544241	Belt cover (upper) screw stud	1	1	1	1	1	1
8	281835-383	Belt cover (lower)	1	1	1	1	1	1
9	549398	Belt cover (lower) wood screw	2	2	2	2	2	2
10	543803-003	Belt cover (lower) wood screw washer	2	2	2	2	2	2
15	281833-308	Belt cover (upper)	0	0	0	0	1	0
16	281834-308	Belt cover (upper) cover	0	0	0	0	1	0



SINGER and the Cameo "S" Design are exclusive trademarks of The Singer Company Limited S.à r.l. or its Affiliates.
©2011 The Singer Company Limited S.à r.l. or its Affiliates. All rights reserved.
www.singer.com