KOBELCO

SHOP MANUAL

HYDRAULIC EXCAVATOR

SK330-VI
SK330LC-VI
SK330NLC-VI

S5LC0007E-01 NA

Issued 03-2000

LC06-05501~
YC06-02501~

MidWestTech | Kobelco SK330-VI, SK330LC-VI, SK330NLC-VI Hydraulic Excavator Service Manual | Publication S5LC0007E-01

Order the manual at mid-west-tech.com >

13. MAIN PIPING

No.	NAME	Q'TY			REMARKS
(1)	LC30H00001F1				Pump delivery
1	ELBOW	1			PF3/4
2	ELBOW	1			Suction
3	O RING	1			1A G75
4	O RING	2			1B P26
5	HOSE : L=1220	1			Delivery P1
6	HOSE : L=1300	1			Delivery P2
7	HOSE : L=480	1			Suction
8	CLIP	2			
9	CLIP	2			
10	HALF CLAMP	4			
11	CLAMP	1			
12	BUSHING	2			
13	SUPPORT	1			
14	WASHER	2			M10
15	CAPSCREW	4			M12×30
16	CAPSCREW	6			M10×35
17	CAPSCREW	2			M10×75
18	CAPSCREW	2			M12×20
19	LOCK WASHER	4			M12
20	LOCK WASHER	8			M10
21	WASHER	2			M12
22	PRESSURE SENSOR	2			LC52S00002P1
(2)	LC03H00014F1				EU
	LC03H00001F1	▼	▼		ASIA, OCEANIA
1	TUBE	1	1		Boom (H)
2	TUBE	1	←		Boom (B)
3	TUBE	1	←		Arm (H)
4	TUBE	1	←		Arm (B)
5	HOSE : L=1200	2	←		Boom (H),(R)
6	HOSE : L=800	1	←		Arm (H)
7	HOSE : L=2100	1	←		Bucket (R)
8	HOSE : L=2000	1	←		Bucket (H)
9	HOSE : L=1050	2	←		Swing (A), (B)
10	HOSE : L=1700	2	←		Travel (A), (B)
11	HOSE : L=1850	1	←		Travel (C)
12	HOSE : L=1900	1	←		Travel (D)
13	O RING	2	←		1B A16
14	O RING	10	12		1B A18
15	O RING	14	←		1B A21
16	CONNECTOR	4	←		1" 3/16 -12UN-PF1
17	CONNECTOR	2	←		1" 7/16 -12UN-PF1
18	CONNECTOR	4	←		1" 3/16 -12UN-PF1
19	CONNECTOR	2	←		1" 7/16 -12UN-PF1
20	CONNECTOR	1	←		1" 7/16 -12UN-PF1
21	CONNECTOR	1	←		1" 7/16 -12UN-PF1
22	CONNECTOR	1	←		1-14UNS-PF1
23	ELBOW	1	←		1-14UNS-PF3/4
24	ELBOW	1	←		1" 3/16 -12UN
25	ELBOW	1	←		1" 3/16 -12UN-PF3/4
26	ELBOW	1	←		Ø35-PF3/4
27	CLAMP	2	←		
28	CLAMP	1	←		
29	CLAMP	2	←		
30	CLAMP	1	←		
31	CLAMP	1	←		
32	BUSHING	2	←		
33	BUSHING	4	←		
34	BUSHING	2	←		
35	SPACER	1	←		L=35
36	SPACER	1	←		L=25
37	SUPPORT	1	←		
38	SUPPORT	1	←		
39	CAPSCREW	4	←		M10×75
40	CAPSCREW	2	←		M10×85
41	CAPSCREW	4	6		M12×30
42	CAPSCREW	1	←		M12×60
43	CAPSCREW	3	←		M12×85
44	WASHER	6	←		M10

No.	NAME	Q'TY			REMARKS
45	WASHER	6	9		M12
46	WASHER	3	4		
47	NUT	1	2		M12
48	RUBBER	1	←		
49	CLIP	4	←		
50	HOSE : L=960	—	1		Boom (H)
51	HOSE : L=1450	2	—		Arm (H),(R)
52	CONNECTOR	—	2		PF1
53	CLAMP	—	1		
54	SUPPORT	—	1		
55	CAPSCREW	—	1		M12×70
56	CONNECTOR	—	1		PF3/4
57	HOSE : L=1450	—	2		Arm (H),(R)
(3)	LC19H00001F1				Swivel hyd.
1	CONNECTOR	1			PF3/4-PF1/2
2	ELBOW	2			1" 3/16 -12UN, PF1
3	ELBOW	2			1" 3/16 -12UN, PF1
4	O RING	4			1B A18
(4)	LC32H00001F1				Return hyd.
1	TUBE	1			
2	TUBE	1			
3	TUBE	1			
4	TUBE	1			
5	HOSE	2			
6	CONNECTOR	1			PF1 L=80
7	HOSE	1			L=1200
8	HOSE	1			
9	COUPLING	2			
10	COUPLING	3			Ø60.8
11	COUPLING	1			Ø38.1
12	CHECK VALVE	1			LC21V00007F1
13	CAPSCREW	6			M12×35
14	SUPPORT	1			
15	SUPPORT	1			
16	SUPPORT	2			
17	SUPPORT	1			
18	CONNECTOR	1			PF1
19	ELBOW	1			PF3/4-PF1
20	TEE	1			PF3/4-PF3/4-PF1/2
21	TEE	1			PF3/4-PF3/4-PF1
22	U BOLT	1			Ø64
23	U BOLT	5			Ø61
25	CLIP	1			
26	O RING	1			1A G45
27	CAPSCREW	3			M12×25
28	CAPSCREW	4			M12×30
31	CAPSCREW	4			M10×110
32	WASHER	10			
33	WASHER	5			
34	WASHER	4			
35	WASHER	13			
36	NUT	34			
37	CHECK VALVE	1			LC21V00006F1
38	TUBE	1			
39	O RING	1			
42	PLUG	1			PF1
43	CAPSCREW	2			M12×40
44	BUSHING	1			
40	CLIP	1			
(5)	LC09H00010F1				
1	TUBE	1			
2	HOSE	1			
3	CONNECTOR	1			PF3/4-1-14UNS
4	ELBOW	1			PF3/4-1-14UNS
5	PLUG	1			PF3/4
6	O RING	3			1B A16
7	SUPPORT	1			

No.	NAME	Q'TY			REMARKS
8	CLAMP	1			Ø21.7
9	CAPSCREW	1			M10×60
10	CAPSCREW	2			M12×35
11	WASHER	3			M10
12	WASHER	3			M12
13	NUT	1			M10
14	CONNECTOR	1			
(6)	YN03H00062F2				P1&P2 Opt. valve
	YN03H00062F1	▼	▼		P2 Opt. valve
1	O RING	2	←		1B P34
2	CAPSCREW	8	←		M12×40
3	LOCK WASHER	8	←		M12
4	PLUG	2	←		
5	PLUG	2	4		
6	PLUG	—	2		
(7)	LC02H00002F1				NLC
	LC02H00003F1				LC
	LC02H00001F1	▼	▼	▼	STD
1	TUBE	1	←	※1	
2	TUBE	1	←	※1	
3	TUBE	1	←	※1	
4	TUBE	1	←	※1	
5	TUBE	1	←	※1	
6	TUBE	1	←	※1	
7	TUBE	1	※1	←	
8	TUBE	1	※1	←	
9	TUBE	1	※1	←	
10	TUBE	1	※1	←	
11	TUBE	1	※1	←	
12	TUBE	1	※1	←	
13	TUBE	2	※1	←	
14	CONNECTOR	4	←	←	
15	CONNECTOR	2	←	←	
16	HOSE GUARD	4	←	←	
17	CLIP	12	←	※16	
18	CLAMP	4	←	←	
19	CLAMP	4	←	←	
20	CAPSCREW	8	←	←	
21	LOCK WASHER	8	←	←	
	※ Mark not as same as part No.				
(8)	LC12H00001F1				Travel motor hyd.
1	CONNECTOR	4			PF1-Ø38
2	CONNECTOR	2			PF1/2-Ø22
3	CONNECTOR	2			PF1/4
4	O RING	4			1B P29
5	O RING	2			1B P18
(9)	LC19H00002F1				SU hyd.
1	CONNECTOR	4			PF1/4
2	CONNECTOR	2			PF1/4
3	TEE	1			PF1/2-Ø22
4	O RING	4			1B P29
5	O RING	1			1B P18
(10)	LC42H00013F1				
1	TUBE	1			
2	TUBE	1			
3	TUBE	1			
4	TUBE	1			
5	TUBE	1			
6	TUBE	1			
8	CONNECTOR	2			
9	CLAMP	2			
10	CLAMP	8			
11	CLAMP	8			
12	CLAMP	2			
13	BUSHING	12			

No.	NAME	Q'TY			REMARKS
14	O RING	12			1B A21
15	CAPSCREW	8			M12×55
16	CAPSCREW	16			M10×30
17	WASHER	8			M12
18	WASHER	16			M10
(11)	LC42H00023F2				EU
	LC42H00023F1	▼	▼		ASIA, OCEANIA
1	TUBE	1	←		
2	TUBE	1	←		
3	TUBE	1	←		
4	TUBE	1	←		
5	HALF CLAMP	8	←		
6	CLAMP	4	←		
7	CAPSCREW	16	←		M12×40
8	CAPSCREW	2	←		M12×85
9	NUT	2	←		M14
10	LOCK WASHER	32	←		M12
11	WASHER	2	←		M14
12	CONNECTOR	2	←		
13	GREAR NIPPLE	2	←		
14	O RING	8	←		
15	HOSE	4	←		L=860
16	CAPSCREW	16	←		M12×45
17	TUBE	—	1		
18	PLUG	—	1		
(12)	LC42H00015F1				Arm cyl. hyd.
1	TUBE	1			
2	HOSE	1			L=1130
3	HOSE	1			L=1170
4	CLAMP	2			
5	BUSHING	1			
6	CONNECTOR	1			
7	HALF CLAMP	2			
8	CAPSCREW	2			M10×30
9	CAPSCREW	8			M12×40
10	WASHER	2			M10
11	LOCK WASHER	8			M12
12	O RING	2			1B P34
13	O RING	1			1B A21
14	GREASE NIPPLE	1			
(13)	LC43H00007F1				Arm hyd.
1	HOSE	2			L=1750
2	HALF CLAMP	4			
3	CAPSCREW	8			M12×45
4	LOCK WASHER	8			M12
5	O RING	2			1B P34
(14)	LC43H00008F1				Bucket cyl. hyd.
1	TUBE	1			
2	TUBE	1			
3	CLAMP	4			
4	BUSHING	2			
5	GREASE NIPPLE	1			
6	CAPSCREW	8			M12×40
7	CAPSCREW	4			M10×25
8	LOCK WASHER	8			M12
9	WASHER	4			M10
10	O RING	2			1B P34
11	GREASE NIPPLE	1			
(15)	LC42H00026F1				B/A safety boom hyd.
1	TUBE	1			
2	TUBE	1			
3	CONNECTOR	1			
4	CONNECTOR	1			
5	CLAMP	4			
6	CLAMP	4			

No.	NAME	Q'TY			REMARKS
7	CLAMP	4			
8	CLAMP	4			
9	CAPSCREW	8			M12×30
10	WASHER	8			M12
(16)	LC42H00027F1				Arm safety cyl. hyd.
1	ARM HOLDING V.	1			LC35V00003F1
2	TUBE	1			
3	HOSE	1			
4	HOSE	1			
5	HOSE	1			L=3150
6	HOSE	1			L=3150
7	HALF CLAMP	2			
8	CLAMP	2			
9	BUSHING	1			
10	ELBOW	1			PF1, 1" 7/16-12UNS
11	ELBOW	1			
12	CONNECTOR	1			
13	CONNECTOR	1			
14	GREASE NIPPLE	1			PT1/8
15	O RING	1			1B P34
16	O RING	2			1B A21
17	O RING	2			1B P14
18	O RING	1			1B G35
19	CAPSCREW	2			M10×30
20	CAPSCREW	4			M12×55
21	CAPSCREW	4			M12×40
22	WASHER	2			M10
23	LOCK WASHER	6			M12
24	CLIP	12			Ø48 L=188
25	CLIP	1			
(17)	LC42H00028F1				Boom safety boom cyl.
1	HOLDING VALVE	1			LC38V00002F2
2	HOLDING VALVE	1			LC28V00001F2
3	TUBE	1			
4	TUBE	1			
5	HOSE	4			L=860
6	ELBOW	2			
7	HALF CLAMP	8			
8	CLAMP	4			
9	CAPSCREW	24			M12×40
10	CAPSCREW	8			M12×65
11	CAPSCREW	2			M14×85
13	LOCK WASHER	32			M12
14	WASHER	2			M14
15	CONNECTOR	2			PF1/4×PT1/4
16	GREASE NIPPLE	2			
17	O LING	6			1B P34
18	O LING	2			1B A21
19	HOSE	1			L=1250
20	ELBOW	2			1" 7/16-12UN, PF1
21	CONNECTOR	2			M22×1.5, PF3/8
22	CONNECTOR	1			1-14UNS, PF1/2
23	TUBE	2			
24	TUBE	1			
25	TUBE	1			
26	TUBE	1			
27	TUBE	1			
28	CLAMP	4			
29	CAPSCREW	4			
30	WASHER	4			
31	HOSE	4			L=960
32	TAPPED BLOCK	2			
33	CLIP	16			
34	O RING	2			1B G35
35	TEE	1			
36	O RING	2			1B A16
37	PLUG	1			
38	CONNECTOR	1			

MidWestTech | Kobelco SK330-VI, SK330LC-VI, SK330NLC-VI Hydraulic Excavator Service Manual | Publication S5LC0007E-01

Order the manual at mid-west-tech.com >