KOBELCO

SHOP MANUAL

HYDRAULIC EXCAVATOR

SK210LC-6E

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SK210LC-6E

Hydraulic Excavator

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12.2 HYD. LINES PARTS LIST

No.	PART NAME	Q'TY			REMARKS or PART No.
	REMOTE CONTROL				
(1)	PUMP CONTROL LINES				YN06H00057F1
1	HOSE : PF1/4 L=750	1			P1 pump SOL. primary
2	HOSE : PF3/8 L=600	1			Pilot pump delivery
3	HOSE : PF1/4 L=400	1			Drain
4	HOSE : PF1/4 L=450	1			P2 pump SOL. Primary
5	HOSE : PF3/4 L=450	1			Suction
6	CONNECTOR	1			PF1/4-PF3/8
7	ELBOW	4			PF3/8
8	ELBOW	2			PF1/4 with filter
9	ELBOW	1			PF1/4
10	ELBOW	1			PF3/8
11	ELBOW	1			PF3/4
12	ELBOW	1			PF3/4
13	TEE	1			PF1/4
14	TEE	1			PF3/8
15	CAPSCREW	2			M8×60
16	WASHER	2			M8
17	INLINE FILTER ASSY	1			YN50V00016F1
(2-1a)	SOL. VALVE CONTROL				YN64H00160F1
(2-3)	SOL. VALVE CONTROL				YN64H00169F2
(2-1c)	SOL. VALVE CONTROL	▼	▼	▼	YN64H00145F1
1	CONNECTOR	7	—	—	PF1/4
2	CONNECTOR	3	2	—	PF3/8
3	TEE	—	2	—	PF3/8
4	ELBOW	—	1	—	PF1/4-PF3/8
5	CONNECTOR	1	—	—	PF3/8 with filter
6	SOLENOID VALVE ASSY	1	—	—	YN35V00039F1
7	HOSE : PF3/8 L=1950	1	—	—	T : Drain
8	HOSE : PF3/8 L=1550	1	—	—	A1 : Safety lever lock prim.
9	HOSE : PF3/8 L=2500	1	—	—	P1 : SOL. P1 primary
10	HOSE : PF1/4 L=1500	2	—	—	A5 : P1 bypass cut A7 : Travel 1-speed changeover
11	HOSE : PF1/4 L=1250	1	—	—	A8 : Swing motor P/B primary
12	HOSE : PF1/4 L=1350	1	—	—	A6 : Arm variable reciirc.
13	BUSHING	1	—	—	
14	ELBOW	1	—	—	PF1/4
15	HOSE : PF1/4 L=1050	1	—	—	A3 : P2 bypass cut
16	HOSE : PF1/4 L=1800	1	—	—	A2 : ATT boost primary
17	CLIP	1	—	—	
18	CAPSCREW	1	—	—	M10×20
19	CAPSCREW	2	—	—	M10×75
21	WASHER	5	—	—	M10
23	CLIP	2	—	—	
24	PLUG	1	—	—	PF3/8
25	ELBOW	1	—	—	PF1/4
26	HOSE : PF1/4 L=1150	1	—	—	A4 : Travel straight
27	CONNECTOR	—	1	—	PF3/8 L=46
28	CONNECTOR	—	1	—	PF1/4-PF3/8
29	ELBOW	2	—	—	PF3/8
(2-2)	SOL. VALVE CONTROL				YN64H00150F1
1	THERMO SWITCH	1			24792348
3	TEE	1			3-PF3/8-PT3/8
(3-1)	P-T BLOCK (STD)				YN64H00141F1
(3-2)	P-T BLOCK (1-PEDAL)				YN64H00141F2
(3-3)	P-T BLOCK (2-PEDAL)	▼	▼	▼	YN64H00141F3
1	BLOCK	1	—	—	
2	CAPSCREW	2	—	—	M6×35
3	WASHER	2	—	—	M6
4	TEE	1	—	—	PF1/4
5	TEE	1	—	—	PF3/8
6	CONNECTOR	2	—	—	PF3/8
7	CONNECTOR	—	2	3	PF1/4
8	CONNECTOR	1	—	—	PF1/4-PF3/8

No.	PART NAME	Q'TY			REMARKS or PART No.
9	ELBOW	1	—	—	PF3/8
10	ELBOW	—	1	2	PF1/4-PF3/8
11	BLOCK	—	1	1	
12	PLUG	—	1	—	PF1/4
13	PLUG	—	1	—	PF3/8
14	CONNECTOR	1	—	—	PF1/4-PF3/8
(4-1)	ATT. REMOTE CONTROL				YN68H00100F1
1	SOCKET BOLT	8			M6×25
2	WASHER	8			M6
3	PILOT VALVE	2			YN30V00069F1
4	BOOT	2			
5	CLIP	6			
6	HOSE : PF1/4 L=1100	1			RH pilot valve prim.
7	HOSE : PF3/8 L=2300	1			Drain
8	HOSE : PF3/8 L=1050	1			Drain
9	HOSE : PF1/4 L=1050	1			LH pilot valve prim.
10	CLAMP	3			
11	CAPSCREW	2			M8×40
12	HOSE	2			L=650
13	CAPSCREW	2			M8×65
14	WASHER	4			M8
15	CONNECTOR	11			PF3/8
16	CONNECTOR	2			PF1/4 with filter
17	HOSE : PF3/8 L=1150	1			Drain
18	HOSE : PF3/8 L=2050	1			Red ① : Swing LH
19	HOSE : PF3/8 L=2050	1			Green ② : Arm out
20	HOSE : PF3/8 L=2050	1			Blue ③ : Arm in
21	HOSE : PF3/8 L=2050	1			Gray ④ : Swing LH
22	HOSE : PF3/8 L=2150	1			Red ① : Bucket digging
23	HOSE : PF3/8 L=2150	1			Green ② : Boom up
24	HOSE : PF3/8 L=2150	1			Blue ③ : Bucket dump
25	HOSE : PF3/8 L=2150	1			Gray ④ : Boom down
(4-2)	ATT. REMOTE CONTROL				YN68H00090F1
1	SOCKET BOLT	8			M6×25
2	WASHER	8			M6
3	PILOT VALVE	2			YN30V00069F1
4	BOOT	2			
5	CLIP	2			
6	HOSE : PF1/4 L=1100	1			RH pilot valve prim.
7	HOSE : PF3/8 L=2300	1			Drain
8	HOSE : PF3/8 L=1050	1			Drain
9	HOSE : PF1/4 L=1050	1			LH pilot valve prim.
10	CLAMP	3			
11	CAPSCREW	2			M8×40
12	HOSE	2			L=650
13	CAPSCREW	2			M8×65
14	WASHER	4			M8
15	CONNECTOR	11			PF3/8
16	CONNECTOR	2			PF1/4 with filter
17	HOSE : PF3/8 L=1150	1			Drain
18	HOSE : PF3/8 L=1900	1			Red ① : Swing LH
19	HOSE : PF3/8 L=1950	1			Green ② : Arm out
20	HOSE : PF3/8 L=2150	1			Blue ③ : Arm in
21	HOSE : PF3/8 L=1800	1			Gray ④ : Swing LH
22	HOSE : PF3/8 L=2050	1			Red ① : Bucket digging
23	HOSE : PF3/8 L=2250	1			Green ② : Boom up
24	HOSE : PF3/8 L=1950	1			Blue ③ : Bucket dump
25	HOSE : PF3/8 L=2050	1			Gray ④ : Boom down

No.	PART NAME	Q'TY			REMARKS or PART No.
(5-1)	TERMINAL BLOCK				YN64H00156F1
	TERMINAL BLOCK	▼	▼		YN64H00156F2
1	BLOCK	1	—		
2	PRESSURE SENSOR	6	—		YX32S00010P1
3	CONNECTOR	16	—		PF3/8
4	CAPSCREW	2	—		M8×65
5	WASHER	2	—		M8
6	RUBBER	1	—		L=170
7	CLAMP	3	—		
8	CAPSCREW	2	—		M8×55
9	WASHER	2	—		M8
10	GROMMET	1	—		
11	CLIP	4	—		
12	RUBBER	1	—		
13	HOSE : PF3/8 L=1250	1	—		1 : Bucket digging
14	HOSE : PF3/8 L=1150	2	—		5 : Swing LH, 6 : Arm out
15	HOSE : PF3/8 L=1200	1	—		4 : Boom down
16	HOSE : PF3/8 L=1500	1	—		6 : Swing RH
17	HOSE : PF3/8 L=1550	2	—		3 : Boom up, 7 : Arm in
18	PLUG	2	—		PF1/4
19	HOSE : PF3/8 L=1600	1	—		2 : Bucket dump
20	BLOCK	—	2		
21	CAPSCREW	—	8		M8×85
(5-2)	MULTI-C/V CONTROL				YN64H00146F6
2	PRESSURE SENSOR	6			YX32S00010P1
3	CONNECTOR	5			
4	CAPSCREW	2			M8×65
5	WASHER	6			M8
6	RUBBER	1			L=170
7	CLAMP	2			
8	CAPSCREW	4			M8×16
9	ELBOW	1			PF1/4
10	GROMMET	1			
11	CLIP	4			
12	RUBBER	1			
13	HOSE : PF3/8 L=1600	1			1 : Bucket digging
14	HOSE : PF3/8 L=1350	1			2 : Swing LH
15	HOSE : PF3/8 L=1400	1			4 : Boom down
16	HOSE : PF3/8 L=1850	1			3 : Boom up
17	HOSE : PF3/8 L=1800	1			7 : Arm out
18	PLUG	2			PF1/4
19	HOSE : PF3/8 L=1900	1			2 : Bucket dump
20	CONNECTOR	1			PF1/4 L=38
21	ELBOW	7			PF3/8-PF1/4
22	ELBOW	4			PF3/8-PF1/4
23	HOSE : PF3/8 L=1750	1			6 : Swing LH
24	HOSE : PF3/8 L=1500	1			8 : Arm out
27	CONNECTOR	2			PF1/4 L=33
28	MULTILESS VALVE	1			YN31V00080F2
(6-1)	MAIN C/V CONTROL				LQ06H00031F1
(6-4)	MAIN C/V CONTROL	▼	▼		LQ06H00031F2
1	CONNECTOR	3	—		PF3/8 L=33
2	CONNECTOR	8	—		PF1/4-PF3/8
3	CONNECTOR	6	—		PF3/8
4	ELBOW	5	—		PF1/4
5	ELBOW	6	7		PF1/4-3/8
6	ELBOW	3	—		PF3/8
7	TEE	2	—		PF1/4
8	TEE	2	—		PF3/8
9	TEE	2	—		PF1/4
10	PRESSURE SENSOR	1	—		YX32S00010P1
11	CONNECTOR	1	—		PF3/8 Ø0.8 Throttling
12	HOSE : PF1/4 L=850	2	—		PB02 : Swing sec
13	CONNECTOR	2	—		PF1/4
14	CHECK VALVE	2	—		YN21V00005F2
16	HOSE : PF1/4 L=900	2	—		Drd : Drain, T : Drain
17	HOSE : PF1/4 L=300	1	—		Drn : Drain
18	HOSE : PF1/4 L=400	1	—		PA1 : Arm out confluence
19	HOSE : PF1/4 L=650	2	—		PLC1 : Boom down lock chargo Pluc : Swing priority
20	HOSE : PF1/4 L=500	1	—		Drain
21	HOSE : PF1/4 L=420	1	—		PB1 : Boom up confluence
22	TEE	1	—		PF1/4
25	CONNECTOR	1	—		PF3/8 Ø1.4 Throttling
27	PLUG	1	—		PF3/8
28	CHECK VALVE	1	—		YN21V00005F4
30	ELBOW	—	1		PF1/4-PF3/8
(6-2)	MAIN C/V CONTROL				LQ06H00032F1
(6-5)	MAIN C/V CONTROL				LQ06H00032F2
(6-3)	MAIN C/V CONTROL				LQ06H00032F4
(6-6)	MAIN C/V CONTROL	▼	▼	▼	LQ06H00032F5
1	CONNECTOR	3	—	—	PF3/8 L=23
2	CONNECTOR	8	—	—	PF1/4-PF3/8
3	CONNECTOR	5	—	6	PF3/8
4	ELBOW	5	—	—	PF1/4
5	ELBOW	6	7	6	PF1/4-PF3/8
6	ELBOW	5	—	6	PF3/8
7	TEE	7	—	8	PF3/8
8	TEE	1	—	—	PF3/8
9	TEE	2	—	—	PF1/4
10	PRESSURE SENSOR	1	—	—	YX32S00010P1
11	CONNECTOR	1	—		PF3/8 Ø0.8 Throttling
12	HOSE : PF1/4 L=850	2	—		
14	CHECK VALVE	2	—	—	YN21V00005F2
16	HOSE : PF1/4 L=900	2	—	—	Drd : Drain, T : Drain
17	HOSE : PF1/4 L=300	1	—	—	Drn : Drain
18	HOSE : PF1/4 L=400	1	—	—	PA1 : Arm out confluence
19	HOSE : PF1/4 L=650	1	—	—	PLC1 : Boom down lock chargo
20	HOSE : PF1/4 L=500	1	—	—	Drain
21	HOSE : PF1/4 L=420	1	—	—	PB1 : Boom up confluence
22	TEE	1	—	—	PF1/4
25	CONNECTOR	1	—	—	PF3/8 Ø1.4 Throttling
27	PLUG	1	—	—	PF3/8
28	CHECK VALVE	1	—	—	YN21V00005F4
30	ELBOW	—	1	—	PF1/4-PF3/8

No.	PART NAME	Q'TY			REMARKS or PART No.
(7)	TRAVEL CONTROL				YN62H00019F1
1	PILOT VALVE	1			YX30V00004F1
2	CONNECTOR	1			PF1/4 with filter
3	CLIP	4			Not shown
4	CONNECTOR	1			PF3/8
5	ELBOW	4			PF3/8
6	SOCKET BOLT	4			M10×25
7	WASHER	4			M10
8	PRESSURE SENSOR	2			YX32S00010P1
9	HOSE : PF1/4 L=900	1			P : Pilot valve prim.
10	HOSE : PF3/8 L=1000	1			T : Drain
11	HOSE : PF3/8 L=3000	2			1&3 : Travel reverse
12	HOSE : PF3/8 L=3500	2			2&4 : Travel forward
13	CLAMP	4			
14	CAPSCREW	8			M8×40
15	WASHER	8			M8
(8-1)	H/V CONTROL				YN64H00148F1
(8-2)	H/V CONTROL	▼	▼		YN64H00148F2
1	TUBE	1	—		
2	TUBE	1	—		
3	SUPPORT	1	—		
4	CLAMP	2	—		
5	CAPSCREW	2	—		M8×30
6	WASHER	2	—		M8
7	CAPSCREW	2	—		M10×45
8	WASHER	2	—		M10
9	ELBOW	2	—		PF3/8
10	CLIP	13	5		
11	HOSE : PF3/8 L=1600	1	—		Pi : Boom H/V down com.
12	HOSE : PF3/8 L=2900	1	—		Pi : Arm H/V in com.
13	HOSE : PF3/8 L=1800	3	2		Tank
14	SPACER	2	—		L=11.5
(9-1)	REMOTE CONTROL				YN68H00089F1
1	PILOT VALVE	1			YN30V00060F1
2	CONNECTOR	1			PF1/4 with filter
3	CONNECTOR	1			PF1/4
4	ELBOW	2			PF1/4
5	CAPSCREW	2			M10×25
6	WASHER	4			M10
7	PRESSURE SENSOR	1			YX32S00010P1
8	HOSE : PF1/4 L=850	1			P : Pilot valve prim.
9	HOSE : PF1/4 L=1100	1			T : Drain
10	HOSE : PF1/4 L=3400	1			B : N&B (H)
11	HOSE : PF1/4 L=3850	1			A : N&B (R)
12	CLAMP	3			
13	CAPSCREW	6			M8×65
14	WASHER	9			M8
15	NUT	1			M8
16	PIN	1			
17	SOCKET BOLT	2			M10×20
18	LOCK WASHER	2			M10
19	CAPSCREW	2			M8×20
20	LOCK ASSY	1			RH
21	PEDAL	1			
22	RUBBER	1			
23	PLUG	1			PF1/4

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