KOBELCO

SHOP MANUAL

HYDRAULIC EXCAVATOR

SK250LC-6E

87364097 NA

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SK250LC-6E

Hydraulic Excavator

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4.2 HYD. LINES PARTS LIST

No.	Part name	Q'ty	Remarks or Part No.
	REMOTE CONTROL		
(1)	PUMP CONTROL LINES		LQ06H00020F1
1	HOSE ; PF1/4 L=800	1	P1 pump SOL. primary
2	HOSE ; PF3/8 L=450	1	Pilot pump delivery
3	HOSE ; PF1/4 L=450	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	CONNECTOR	3	PF3/8
8	CONNECTOR	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 X 60
16	WASHER	2	M8
17	INLINE FILTER ASSY	1	YN50V00016F1
18	ELBOW	1	PF3/8
(2-1A)	SOL. VALVE CONTROL		LQ64H00057F1
(2-1B)	SOL. VALVE CONTROL		LQ64H00057F2
(2-1C)	SOL. VALVE CONTROL	▼ ▼ ▼	LQ64H00035F1
1	CONNECTOR	7 ← ←	PF1/4
2	CONNECTOR	2 ← 3	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 ← ←	YN35V00030F1
7	HOSE ; PF3/8 L=1800	1 ← ←	T ; Drain
8	HOSE ; PF3/8 L=1450	1 ← ←	A1 ; Safety lever lock prim.
9	HOSE ; PF3/8 L=2400	1 ← ←	P1 ; SOL. P1 primary
10	HOSE ; PF1/4 L=1550	2 ← ←	A5, P1 bypass cut A7, Travel 2-speed changeover
11	HOSE ; PF1/4 L=1800	1 ← ←	A6 ; Swing motor P/B primary
12	HOSE ; PF1/4 L=1400	1 ← ←	A6 ; Arm variable restric.
13	BUSHING	1 ← ←	
15	HOSE ; PF1/4 L=1150	1 ← ←	A3 ; P2 bypass cut
16	HOSE ; PF1/4 L=1700	1 ← ←	A2 ; ATT boost primary
17	CLIP	1 ← ←	
18	CAPSCREW	1 ← ←	M10 X 20
19	CAPSCREW	2 ← ←	M10 X 75
20	ELBOW	2 ← ←	PF1/4
21	WASHER	5 ← ←	M10
22	CLIP	1 ← –	
23	CLIP	6 ← ←	
24	HOSE ; PF1/4 L=1050	1 ← ←	P2 By pass cut
25	CONNECTOR	– ← –	PF3/8 L=46
26	TUBE ; L=950	1 ← ←	A4 Travel straight
27	TUBE ; L=1200	1 1 –	
28	CONNECTOR	– 1 –	PF1/4-PF3/8
29	ELBOW	2 ← –	PF3/8
(2-2)	SOL. VALVE CONTROL		YN64H00160F1
1	THERMO SWITCH	1	247SR23AB
2	TEE	1	2-PF3/8-PT3/8
(2-3)	SOL. VALVE CONTROL		LQ64H00058F1
1	HOSE ; PF1/4 L=500	1	Extra SOL. Primary
2	HOSE ; PF1/4 L=450	1	Tank
3	CONNECTOR	1	PF1/4
4	SOLENOID VALVE	1	YN35V00010F2
5	BRACKET	1	
6	WASHER	2	M10
7	CAPSCREW	2	M10 X 25
8	WASHER	2	M8
9	CAPSCREW	2	M8 X 16

No.	Part name	Q'ty	Remarks or Part No.
10	ELBOW	1	PF1/4 with filter
11	ELBOW	1	PF1/4
12	HOSE ; PF1/4 L=2450	1	Extra press. release com.
13	ELBOW	1	PF1/4-PF3/8
(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 ← ←	M8 X 25
3	WASHER	2 ← ←	M8
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
9	ELBOW	1 ← ←	PF3/8
10	ELBOW	– 1 2	PF1/4-PF3/8
11	BLOCK	– 1 2	
12	PLUG	– 1 –	PF1/4
13	PLUG	– 1 –	PF3/8
14	CONNECTOR	1 – –	PF1/4-PF3/8
(4-1)	ATT. REMOTE CONTROL		LQ68H00024F1
1	SOCKET BOLT	8	M8 X 25
2	WASHER	8	M8
3	PILOT VALVE	2	YN30V00069F1
4	BOOT	2	
5	CLIP	4	
6	HOSE ; PF1/4 L=1100	1	RH pilot valve prim.
7	HOSE ; PF3/8 L=2400	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 X 40
12	HOSE	2	L=650
13	CAPSCREW	2	M8 X 65
14	WASHER	4	M8
15	CONNECTOR	11	PF3/8
16	CONNECTOR	2	PF1/4 with filter

No.	Part name	Q'ty	Remarks or Part No.
17	HOSE ; PF3/8 L=1150	1	Drain
18	HOSE ; PF3/8 L=1900	1	Red (6) ; Swing RH
19	HOSE ; PF3/8 L=1950	1	Green (8) ; Arm out
20	HOSE ; PF3/8 L=2150	1	Blue(7) ; Arm in
21	HOSE ; PF3/8 L=1800	1	Gray(5) ; Swing LH
22	HOSE ; PF3/8 L=2000	1	Red(1) ; Bucket digging
23	HOSE ; PF3/8 L=2250	1	Green (3) ; Boom up
24	HOSE ; PF3/8 L=1950	1	Blue(2) ; Bucket dump
25	HOSE ; PF3/8 L=2050	1	Gray (4) ; Boom down
(5-1)	TERMINAL BLOCK		LQ64H00026F2
1	BLOCK	1	
2	PRESSURE SENSOR	6	YX52S00010P1
3	CONNECTOR	16	PF3/8
4	CAPSCREW	2	M8 X 65
5	WASHER	2	M8
6	RUBBER	1	L=123
7	CLAMP	2	M8
(5-2)	MULTI-C/V CONTROL		LQ64H00006F2
1	HOSE ; PF3/8 L=1900	1	3 ; Boom up
2	PRESSURE SENSOR	6	YX52S00010P1
3	CONNECTOR	5	PF3/8-PF1/4
4	CAPSCREW	2	M8 X 65
5	WASHER	6	M8
6	RUBBER	1	L=123
7	CLAMP	2	
8	CAPSCREW	4	M8 X 16
9	ELBOW	1	PF1/4
10	GROMMET	1	
11	CLIP	4	
12	RUBBER	1	
13	HOSE ; PF3/8 L=1650	1	1 ; Bucket digging
15	HOSE ; PF3/8 L=1900	1	8 ; Arm out
16	HOSE ; PF3/8 L=1800	1	6 ; Swing RH
17	HOSE ; PF3/8 L=1850	1	7 ; Arm in
18	PLUG	2	PF1/4
19	HOSE ; PF3/8 L=1950	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
24	HOSE ; PF3/8 L=1500	1	5 ; Swing LH
25	HOSE ; PF3/8 L=1450	1	4 ; Boom down
27	CONNECTOR	2	PF1/4 L=23
28	MULTILESS VALVE	1	YN30V00060F2
31	GROMMET	1	
(6-1)	MAIN C/V CONTROL		LQ06H00031F1
(6-4)	MAIN C/V CONTROL	▼ ▼	LQ06H00031F2
1	CONNECTOR	3 ←	PF3/8 L=23
2	CONNECTOR	6 ←	PF1/4-PF3/8
3	CONNECTOR	6 ←	PF3/8
4	ELBOW	5 ←	PF1/4
5	ELBOW	6 7	PF1/4-PF3/8
6	ELBOW	3 ←	PF3/8
7	TEE	7 ← 8	PF3/8
8	TEE	1 ← ←	PF3/8
9	TEE	2 ← ←	PF1/4
10	PRESSURE SENSOR	1 ← ←	YX52S00010P1
11	CONNECTOR	1 ← ←	PF3/8 Throttling
12	HOSE ; PF1/4 L=850	2 ← ←	PBS2 ; 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 ← ←	Dra ; Drain
18	HOSE ; PF1/4 L=400	1 ← ←	PA1 ; Arm out confluence
19	HOSE ; PF1/4 L=650	2 ← ←	PLC1 ; Boom down last change Pac ; 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
23	CONNECTOR	1 ←	PF3/8 Throttling
24	PLUG	1 ←	PF3/8
25	CONNECTOR	1 ←	PF3/8 Throttling
26	CHECK VALVE	1 ←	YN21V00005F4
30	ELBOW	– 1	
(6-2)	MAIN C/V CONTROL		LQ06H00032F1
(6-3)	MAIN C/V CONTROL		LQ06H00032F4
(6-5)	MAIN C/V CONTROL		LQ06H00032F2
(6-6)	MAIN C/V CONTROL	▼ ▼ ▼ ▼	LQ06H00032F5
1	CONNECTOR	3 ← ←	PF3/8 L=23
2	CONNECTOR	9 9 8 9	PF1/4-PF3/8
3	CONNECTOR	5 ← 6 ←	PF3/8
4	ELBOW	5 ← ←	PF1/4
5	ELBOW	6 7 6 7	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 ← ← ←	YX52S00010P1
11	CONNECTOR	1 ← ← ←	PF3/8 Throttling
12	HOSE ; PF1/4 L=650	2 ← ← ←	PBS2 ; 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 ← ← ←	Dra ; Drain
18	HOSE ; PF1/4 L=400	1 ← ← ←	PA1 ; Arm out confluence
19	HOSE ; PF1/4 L=650	1 ← ← ←	PLC1 ; Boom down last change Pac ; Swing priority
20	HOSE ; PF1/4 L=500	1 ← ←	Drain
21	HOSE ; PF1/4 L=420	1 ← ←	PB1 ; Boom up confluence
25	CONNECTOR	1 ← ←	PF3/8 Throttling
27	PLUG	1 – 1 –	PF3/8
28	CHECK VALVE	1 ← ←	YN21V00005F4
30	ELBOW	– – 1 ←	PF1/4-PF3/8
(6-7)	MAIN C/V VALVE		LQ06H00028F1
(6-8)	MAIN C/V VALVE	▼ ▼	LQ06H00028F2
1	CONNECTOR	3 ←	PF3/8 L=23
2	CONNECTOR	8 ←	PF1/4-PF3/8
3	CONNECTOR	6 ←	PF3/8
4	ELBOW	5 ←	PF1/4
5	ELBOW	6 7	PF1/4-PF3/8
6	ELBOW	3 ←	PF3/8
7	TEE	5 ←	PF3/8
9	TEE	2 ←	PF1/4
10	PRESSURE SENSOR	1 ←	YX52S00010P1
11	CONNECTOR	1 ←	PF3/8 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 ←	Dra ; Drain
18	HOSE ; PF1/4 L=400	1 ←	PA1 ; Arm out confluence
19	HOSE ; PF1/4 L=650	1 ←	PLC1 ; Boom down last change

No.	Part name	Q'ty	Remarks or Part No.
20	HOSE ; PF3/8	1 ←	Drain
21	HOSE ; PF1/4 L=420	1 ←	PB1 ; Boom up confluence
25	CONNECTOR	1 ←	PF3/8 Throttling
27	PLUG	1 ←	PF3/8
28	CHECK VALVE	1 ←	YN21V00005F4
30	ELBOW	1 ←	PF1/4
(7)	TRAVEL CONTROL		YN62H00019F1
1	PILOT VALVE	1	YX03V00004F1
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 X 25
7	WASHER	4	M10
8	PRESSURE SENSOR	2	YX52S00010P1
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 X 40
15	WASHER	8	M8
(8-1)	H/V CONTROL		LQ64H00034F1
(8-2)	H/V CONTROL	▼ ▼	LQ64H00034F2
1	TUBE	1 ←	
2	TUBE	1 ←	
3	SUPPORT	1 ←	
4	CLAMP	2 ←	
5	CAPSCREW	2 ←	M8 X 30
6	WASHER	2 ←	M8
7	CAPSCREW	2 ←	M10 X 45
8	WASHER	2 ←	M10
9	ELBOW	3 ←	PF3/8
10	CLIP	13 5	
11	HOSE ; PF3/8 L=1700	1 ←	Pi ; Boom H/V down com.
12	HOSE ; PF3/8 L=2050	1 –	Pi ; Arm H/V in com.
13	HOSE ; PF3/8 L=1800	1 –	Tank
14	HOSE ; PF3/8 L=2000	2 ←	Tank
15	SPACER	2 ←	L=11.5
(9-1)	REMOTE CONTROL		YN68H00068F1
1	PILOT VALVE	1	YN38V00060F1
2	CONNECTOR	1	PF1/4 with filter
3	CONNECTOR	1	PF1/4
4	ELBOW	2	PF1/4
5	CAPSCREW	2	M10 X 25
6	WASHER	4	M10
7	PRESSURE SENSOR	1	YX52S00010P1
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=3050	1	A ; N&B (R)
12	CLAMP	3	
13	CAPSCREW	6	M8 X 65
14	WASHER	9	M8
15	NUT	1	M8
16	PIN	1	
17	SOCKET BOLT	2	M10 X 20
18	LOCK WASHER	2	M10
19	CAPSCREW	2	M8 X 20
20	LOCK ASSY	1	RH
21	PEDAL	1	
22	RUBBER	1	
23	PLUG	1	PF1/4

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