KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

SK115SR

SK115SR L

SK135SR (LC)

SK135SR L

S5YY0102E

MODEL	SERIAL NUMBER	MARKET AREAS
SK115SR	YV00101～	EUROPE / OCEANIA / ASIA / MIDDLE EAST
SK135SR	YY00101～	
SK135SRLC	YH00101～	
SK115SRDZ	YY00101～	NORTH AMERICA
SK135SRLC	YH00101～	LATIN AMERICA

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SHOP MANUAL

SK115SR
SK115SR L
SK135SR (LC)
SK135SR L

YY02

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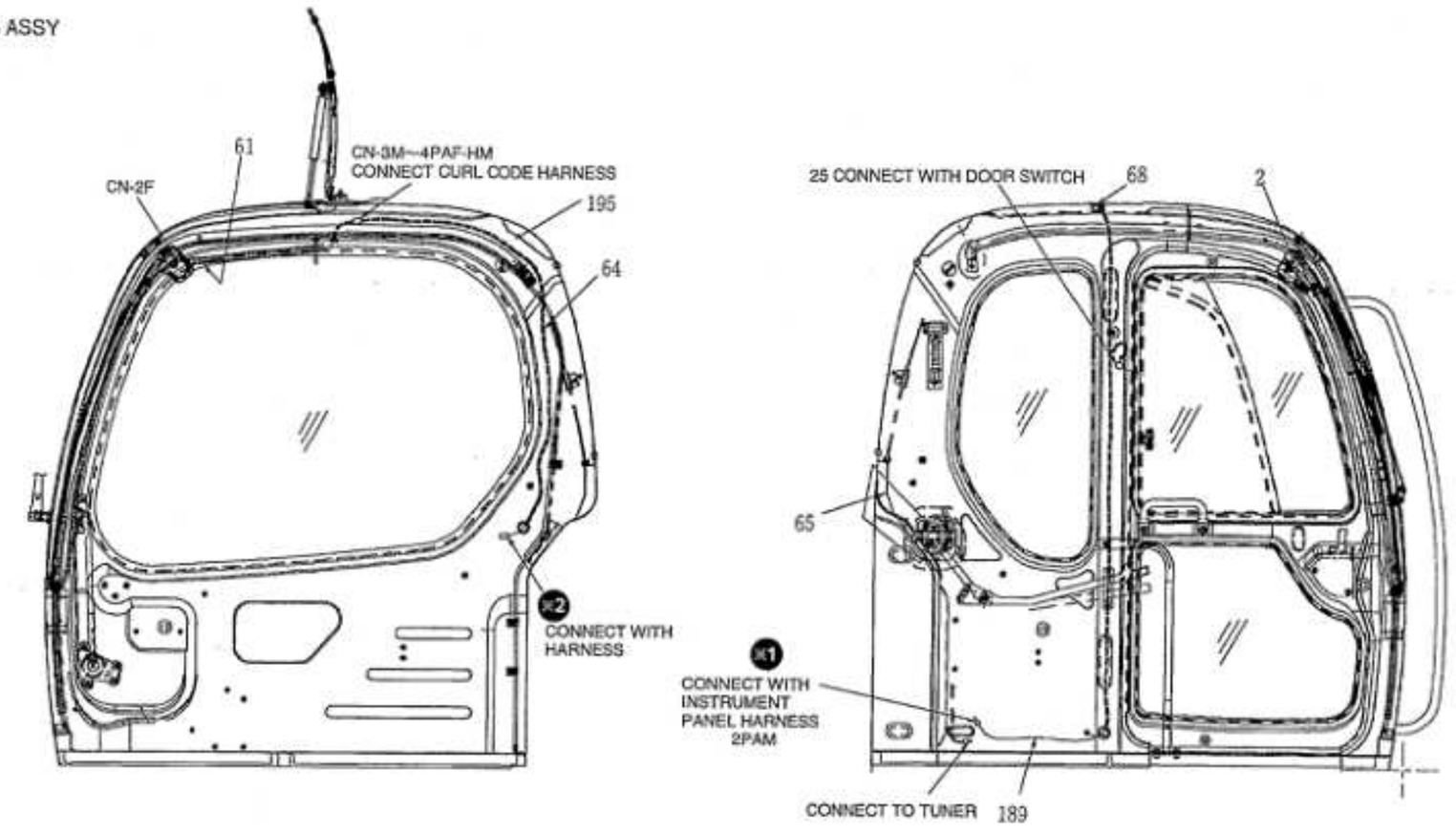
13. MAIN PIPING

ITEM	PART NAME	Q'TY	REMARKS or PART No.
(1-1)	YV30H00001F1		Pump hyd.
(1-2)	YX30H00001F1		Pump hyd. dozer
1	TUBE	1 –	Suction
2	O RING	1 ←	1A G75
3	GROMMET	1 ←	
4	HOSE	1 ←	Suction
5	HOSE ; 1-3/16-12UN L=800	1 ←	P2 Delivery
6	HOSE ; 1-3/16-12UN L=1050	1 ←	P1 Delivery
7	O RING	2 ←	1B P18
8	O RING	2 ←	1B P26
9	ELBOW	1 ←	1-3/16-12UN PF3/4
10	CONNECTOR	1 ←	1-3/16-12UN PF3/4
11	HALF CLAMP	4 ←	3/4
12	CAPSCREW	8 ←	M10×35
13	CAPSCREW	4 ←	M12×30
14	LOCK WASHER	8 ←	
15	LOCK WASHER	4 ←	
16	CLIP	4 –	
17	PRESS. SENSOR ; PF3/8	2 ←	LC52S00002P2
18	CLIP	3 ←	
19	CLIP	– 4	
20	TUBE	– 1	
(2)	YY03H00010F1		C/V hyd. SK135SR STD
	YY03H00010F4		C/V hyd. SK115SR Boom/Arm safety
	YY03H00012F1		C/V hyd. SK115SR STD
	YY03H00012F4		C/V hyd. SK115SR Boom/Arm safety
1	BRACKET	1 ← ← ←	
2	BUSHING	1 ← ← ←	2-Ø26.5
3	BUSHING	1 ← ← ←	Ø26.5-Ø30.4
4	CLAMP	1 ← ← ←	
5	TUBE	1 ← ← ←	1-14UNS-Ø21.7
6	TUBE	1 ← ← ←	1-14UNS-Ø21.7
7	SUPPORT	1 ← (1) (1)	
8	SUPPORT	1 – (1) –	
9	CONNECTOR	7 ← ← ←	1-14UNS-PF3/4
10	CONNECTOR	1 ← ← ←	1-3/16-12UN-PF3/4
11	CONNECTOR	4 ← ← ←	1-14UNS-PF3/4
12	CLIP	3 ← ← ←	
13	ELBOW	1 ← ← ←	1-14UNS-PF1/2
14	ELBOW	1 ← ← ←	1-14UNS-PF1/2
15	HOSE	1 ← ← ←	1-14UNS L=500
16	TUBE	1 ← ← ←	1-14UNS
17	RUBBER	1 ← ← ←	L=100
18	HOSE	1 ← ← ←	1-14UNS L=970
19	HOSE	1 ← ← ←	1-3/16-12UN L=2930
20	HOSE	1 ← ← ←	1-14UNS L=2970
21	HOSE	1 ← ← ←	1-14UNS L=2620
22	HOSE	1 ← ← ←	1-14UNS L=2570
23	WASHER	6 ← ← ←	
24	WASHER	4 ← ← ←	
25	GROMMET	1 ← ← ←	2-Ø29
26	CLIP	1 ← ← ←	
27	HOSE	1 ← ← ←	1-14UNS L=1620
28	HOSE	1 ← ← ←	1-14UNS L=1200
29	HOSE	2 ← ← ←	1-14UNS L=1120
30	HOSE	1 ← ← ←	1-14UNS L=1540
31	HOSE	1 ← ← ←	1-14UNS L=1880
32	HOSE	1 ← ← ←	1-14UNS L=1950
33	RUBBER	1 ← ← ←	
34	O RING	19 ← ← ←	1B AS16
35	O RING	1 ← ← ←	1B AS18
36	CLAMP	2 ← ← ←	Ø21.7
37	BUSHING	4 ← ← ←	Ø21.7
38	CAPSCREW	4 ← ← ←	M10×25
39	CAPSCREW	2 ← ← ←	M10×65
40	CAPSCREW	3 ← ← ←	M12×45
41	CAPSCREW	1 ← ← ←	M12×90
44	GROMMET	1 ← ← ←	
45	GROMMET	2 ← ← ←	
46	CLIP	4 ← ← ←	
47	CLAMP	1 ← ← ←	
48	SUPPORT	1 ← ← ←	
49	CAPSCREW	1 ← ← ←	M10×30
50	CAPSCREW	1 ← ← ←	M10×40
51	RUBBER	1 ← ← ←	
54	SUPPORT	– 1 – 1	
55	PLUG	1 ← ← ←	PF3/8
56	PLUG	2 ← ← ←	PF3/4
(3)	YV03H00005F1		Upper hyd.
1	ELBOW	2	PF1/2-Ø18
2	TEE	1	2-PF1/2-PF1/4
3	ELBOW	1	PF1/2
4	HOSE ; L=1300	1	
5	HOSE ; L=1200	1	
6	HOSE ; L=680 PF1/2	1	
7	O RING	2	1B P18
8	PLUG	1	PF1/4
9	CONNECTOR	1	PF1/2 L=32
10	HOSE GUARD	1	L=600
11	CONNECTOR	1	PF1/2 L=41
(4)	YV19H00001F1		S/J hyd. STD
	YX19H00001F1		S/J hyd. dozer
1	ELBOW	2 ←	PF1 1-14UNS
2	ELBOW	2 ←	PF1 1-14UNS
3	CONNECTOR	1 ←	PF1/2 L=130
4	O RING	4 ←	1B AS18
5	ELBOW	– 2	PF1/2-Ø18
6	O RING	– 2	1B P18
(5)	YV32H00001F1		Return hyd. STD
	YX32H00001F1		Return hyd. Dozer
1	TUBE	1 ←	
2	TUBE	1 ←	
3	PLUG	1 –	PF3/4
4	CONNECTOR	1 ←	PF3/4
5	CONNECTOR	2 ←	PF1
6	ELBOW	1 ←	PF1/2
7	ELBOW	2 3	PF3/4
8	ELBOW	2 ←	PF1
9	HOSE	– 1	PF3/4 L=450
10	HOSE ; PF3/4 L=1600	1 ←	Swing motor boost
11	HOSE ; PF1 L=3600	1 ←	Tank
12	HOSE ; PF1 L=1600	1 ←	Oil cooler supply
13	COUPLING	2 ←	Ø42.7
14	CHECK VALVE ; BOOST	1 ←	LP21V00004F1
15	CHECK VALVE ; BYPASS	1 ←	LP21V00010F1
16	CONNECTOR	1 ←	PF3/8 L=68
17	ELBOW	1 ←	PF1/2
18	TEE	1 ←	PF3/8-2-PF1/2
19	TEE	1 ←	PF1/2
20	HOSE ; PF1/2 L=1200	1 ←	Pump drain
21	HOSE ; 1/2 L=700	1 ←	Motor drain
22	HOSE ; 1/2 L=1850	1 ←	Motor drain
23	WASHER	4 ←	
24	CAPSCREW	4 ←	M10×75
25	O RING	1 ←	1A G45
26	U BOLT	1 ←	
27	WASHER	4 ←	
28	NUT	5 ←	
29	HOSE GUARD	8 9	L=600
30	CLIP	5 ←	
31	CONNECTOR	1 ←	PF1/2-PF3/4 L=70
32	RUBBER	2 ←	
33	CAPSCREW	1 ←	M8×50
34	HOSE GUARD	3 ←	L=1000
35	SPACER	1 ←	
36	RUBBER	1 ←	L=200
37	BUSHING	5 ←	
38	HOSE GUARD	1 ←	L=450
53	CONNECTOR	– 1	PF1/2-PF3/4
(6-1)	YY02H00001F1		Lower hyd. SK135SR STD
	YY02H00002F1		Lower hyd. SK135SR.c
	YV02H00001F1		Lower hyd. SK115SR
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) (1)	
8	TUBE	1 (1) (1)	
9	TUBE	1 (1) (1)	
10	TUBE	1 (1) (1)	
11	TUBE	1 (1) (1)	
12	TUBE	1 (1) (1)	
13	TUBE	2 (2) (2)	
14	HOSE GUARD	2 ← ←	L=300
15	CLIP	14 ← 12	
16	CONNECTOR	4 ← ←	PF1
17	CONNECTOR	2 ← ←	PF1/2
18	CLAMP	2	
19	CLAMP	2	
20	SPACER	4	
21	CAPSCREW	4 ← ←	M8×40
22	LOCK WASHER	4 ← ←	
23	WASHER	4 ← ←	
(6-2)	YV02H00002F1		Lower hyd. SK115SR Dozer
1	TUBE	1	
2	TUBE	1	
3	TUBE	1	
4	TUBE	1	
5	TUBE	1	
6	TUBE	1	
7	TUBE	1	
8	TUBE	1	
9	TUBE	1	
10	TUBE	1	
11	TUBE	1	
12	TUBE	1	
13	HOSE	2	L=1880
14	HOSE	2	L=300
15	CLIP	12	
16	CONNECTOR	4	
17	CONNECTOR	2	
18	CLAMP	2	
19	CLAMP	2	
20	SPACER	4	
21	CAPSCREW	4	M8×40
22	LOCK WASHER	6	M8
23	WASHER	4	M8
24	TUBE	1	
25	TUBE	1	
26	TUBE	1	
27	TUBE	1	
28	TUBE	1	
29	TUBE	1	
30	HOSE	4	L=860
31	TEE	2	
32	CLAMP	4	
33	CAPSCREW	2	M8×80
34	NUT	2	M8
(7)	YW12H00002F1		Propel hyd.
1	CONNECTOR	4	PF3/4
2	CONNECTOR	2	PF1/2
3	CONNECTOR	2	
4	O RING	4	1B P24
5	O RING	2	1B P18

NOTE : Q'ty marked ( ) have different P/No.

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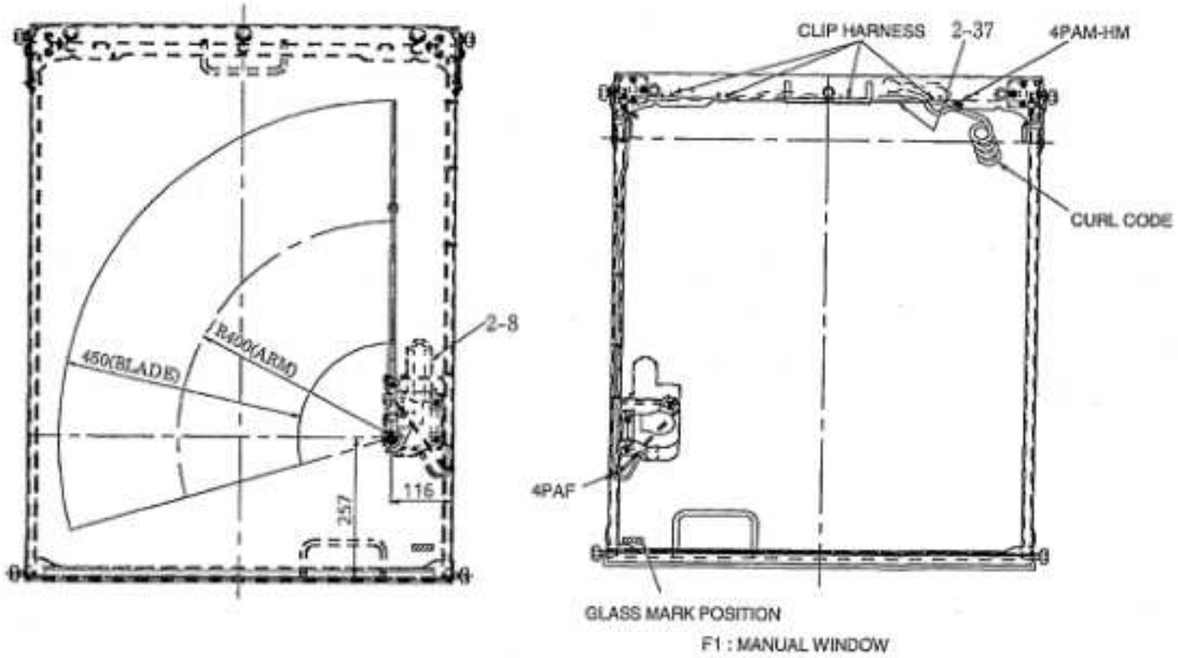
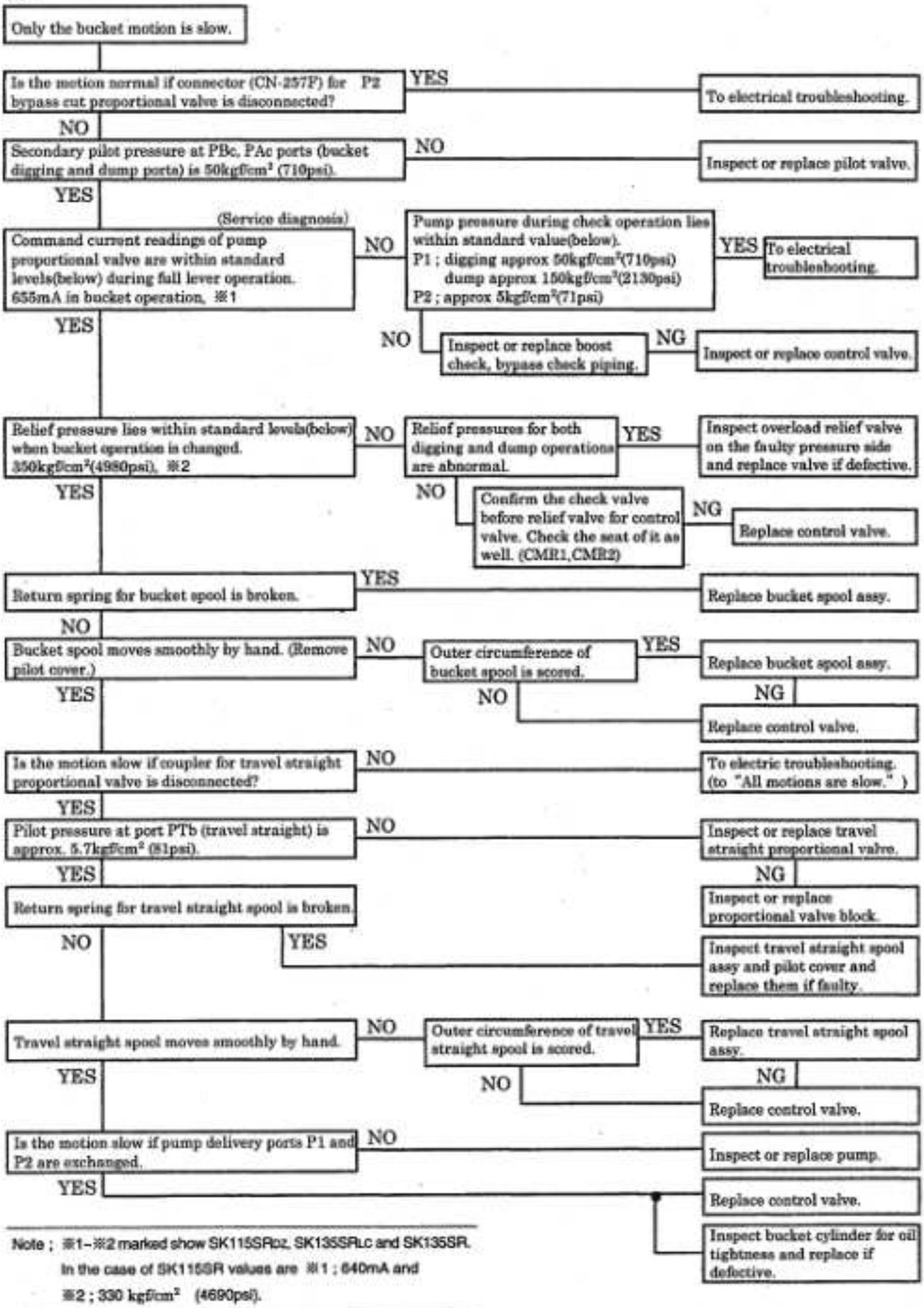


Fig. 26 Cab assy (manual window)

CAB ASSY		YT02C00001F1		
No.	NAME	PART No.	Q'TY	REMARKS
2	FRONT WINDOW ASSY	YT50C00001F1	1	
2-8	WIPER ASSY	YT53C00001P1	1	
2-37	HARNESS	YT02C01106P1	1	
25	DOOR SWITCH	YT50S00004P1	1	
61	CURL CODE HARNESS	YT02C01104P1	1	
64	HARNESS	YT02C01216P3	1	
65	ANTENNA	YT54S00001P1	1	
68	ROOM LAMP	YT80S00001P1	1	
189	ROOM LAMP HARNESS	YT02C01308P1	1	
195	STOPPER ASSY	YT02C01330F1	1	

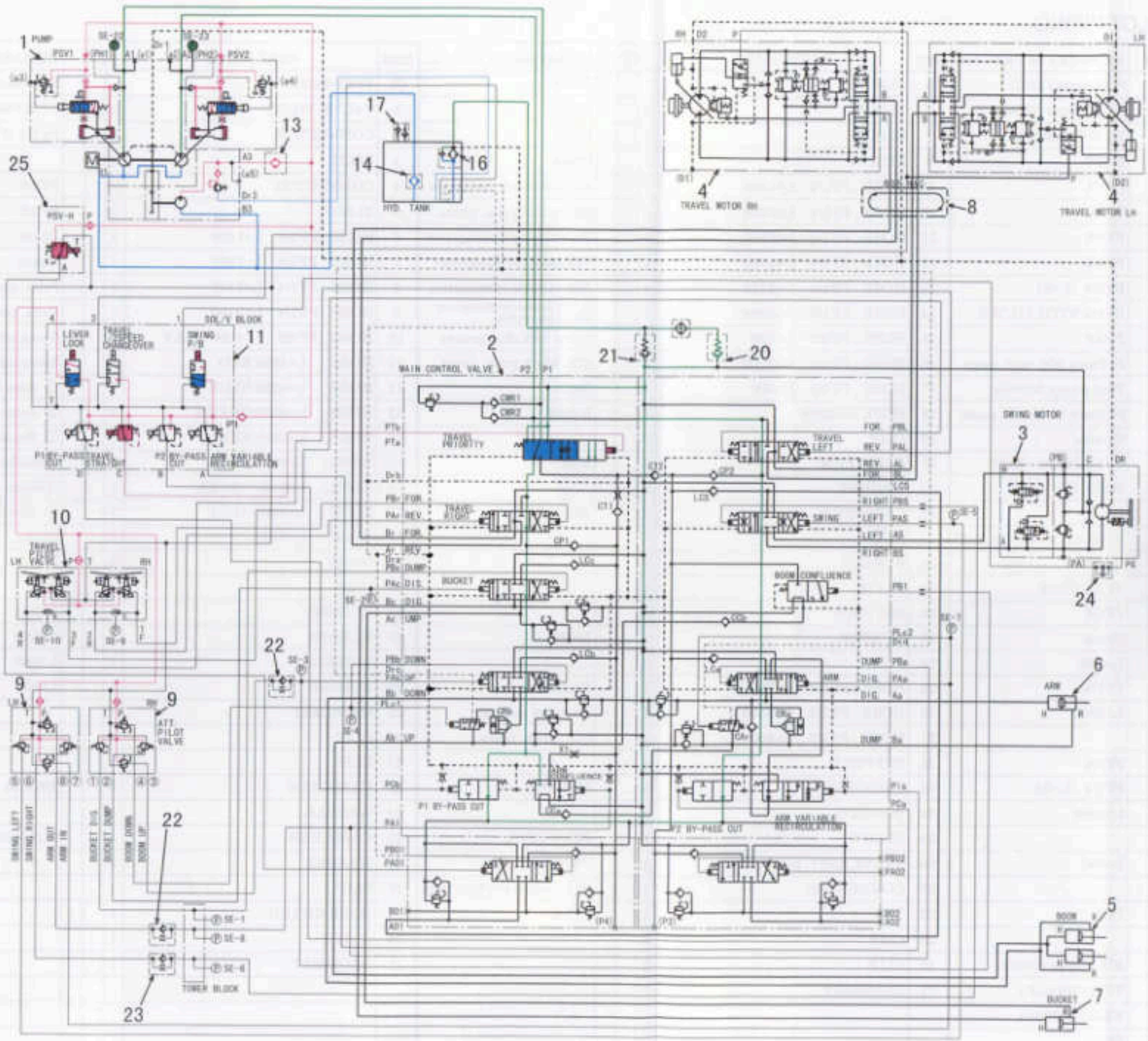
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(2)-2



Note ; ※1–※2 marked show SK115SRDz, SK135SRLC and SK135SR.
In the case of SK115SR values are ※1 ; 640mA and
※2 ; 330 kgf/cm² (4690psi).

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EU Spec:PRESSURE DRAIN(RELEASE)CIRCUIT

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