KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

SK200 V

SK200LC V

Applicable: SK200 V YN23301~
SK200LC V YQ02801~

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SHOP MANUAL

SK200V
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SPECIFICATION

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WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
1A	WG	AVSS0.75sq	CN-319F	DOUBLE SPLICE	CN-2F	FUSE BOX — MECHA-TRO CONTROLLER
1B	WG	AVSS0.75sq	CN-319F		CN-2F	FUSE BOX — MECHA-TRO CONTROLLER
4	RG	AVSS0.75sq	CN-318M		CN-317M	FUSE BOX — CIGARETTE LIGHTER
6A	L	AVSS0.75sq	CN-327F		CN-318M	10PAT-J/B — FUSE BOX
6B	L	AVSS0.75sq	CN-328F		CN-338F	10PAT-J/B — RELAY ASSY
6C	L	AVSS0.75sq	CN-329F		CN-338F	10PAT-J/B — RELAY ASSY
7A	GY	AVSS0.75sq	CN-327F		CN-318M	10PAT-J/B — FUSE BOX
7B	GY	AVSS0.75sq	CN-328F		CN-316M	10PAT-J/B — TIMER
7C	GY	AVSS0.75sq	CN-329F		CN-333F	10PAT-J/B — A/C AMP
8	RL	AVSS0.75sq	CN-318M		CN-5F	FUSE BOX — CLUSTERS SWITCH ASSY
9A	RB	AVSS1.25sq	CN-334F		CN-318M	15PAT-J/B — FUSE BOX
9B	RB	AVSS1.25sq	CN-335F		CN-9F	15PAT-J/B — POWER WINDOW CONTROLLER
9C	RB	AVSS1.25sq	CN-336F		CN-9F	25PAT-J/B — POWER WINDOW CONTROLLER
9D	RB	AVSS1.25sq	CN-337F		CN-331F	15PAT-J/B — ROOM LAMP
10A	WR	AVSS1.25sq	CN-327F		CN-318M	15PAT-J/B — FUSE BOX
10B	WR	AVSS1.25sq	CN-328F		CN-317M	15PAT-J/B — KEY SW
10C	WR	AVSS1.25sq	CN-329F		CN-302F	20PAT-J/B — RELAY(KEY SW)
11A	G	AVSS0.75sq	CN-334F		CN-318M	15PAT-J/B — FUSE BOX
11B	G	AVSS0.75sq	CN-335F		CN-347F	15PAT-J/B — MECHA-TRO CONTROLLER
11C	G	AVSS0.75sq	CN-336F		CN-307M	15PAT-J/B — TRAVEL TWO-SPEED
11D	G	AVSS0.75sq	CN-334F		CN-317M	15PAT-J/B — POWER UP
11E	G	AVSS0.75sq	CN-335F		CN-301F	15PAT-J/B — CHECK CONNECTOR
11F	G	AVSS0.75sq	CN-337F		CN-337F	25PAT-J/B — 15PAT-J/B
12	RY	AVSS0.75sq	CN-318M		CN-336F	FUSE BOX — RELAY ASSY
13	Y	AVSS0.75sq	CN-318M		CN-5F	FUSE BOX — CLUSTERS SWITCH ASSY
14	GR	AVSS0.75sq	CN-318M		CN-10F	FUSE BOX — WIPER CONTROLLER
15A	LW	AVSS0.75sq	CN-334F		CN-316M	15PAT-J/B — FUSE BOX
15B	LW	AVSS0.75sq	CN-335F		CN-345F	15PAT-J/B — RESISTER
15C	LW	AVSS0.75sq	CN-336F		CN-344F	15PAT-J/B — RESISTER
15D	LW	AVSS0.75sq	CN-337F		CN-315M	15PAT-J/B — LEVER LOCK
16A	WV	AVSS0.75sq	CN-327F		CN-318M	15PAT-J/B — FUSE BOX
16B	WV	AVSS0.75sq	CN-328F		CN-338F	10PAT-J/B — RELAY ASSY
16C	WV	AVSS0.75sq	CN-329F		CN-338F	10PAT-J/B — RELAY ASSY
17A	WL	AVSS0.75sq	CN-327F		CN-318M	10PAT-J/B — FUSE BOX
17B	WL	AVSS0.75sq	CN-328F		CN-338F	10PAT-J/B — RELAY ASSY
17C	WL	AVSS0.75sq	CN-329F		CN-338F	10PAT-J/B — RELAY ASSY
18A	L	AVSS1.25sq	CN-334F		CN-318M	15PAT-J/B — FUSE BOX
18B	L	AVSS1.25sq	CN-335F		CN-333F	15PAT-J/B — A/C AMP
18C	L	AVSS1.25sq	CN-336F		CN-343F	15PAT-J/B — HEATER
18D	L	AVSS1.25sq	CN-337F		CN-9F	15PAT-J/B — POWER WINDOW CONTROLLER
19	GW	AVSS1.25sq	CN-334F		CN-318M	15PAT-J/B — FUSE BOX
19A	GW	AVSS1.25sq	CN-335F		CN-305F	15PAT-J/B — RESERVE
19B	GW	AVSS1.25sq	CN-336F		CN-303F	15PAT-J/B — RESERVE(SW)
19C	GW	AVSS1.25sq	CN-337F		CN-304F	15PAT-J/B — RESERVE(SW)
20	R	AVSS0.75sq	CN-318M		CN-311M	FUSE BOX — GOVERNOR MOTOR
21A	G	AVSS0.75sq	CN-315M	DOUBLE SPLICE	CN-319F	BATTERY RELAY — FUSE BOX
21B	R	AVSS0.75sq	CN-315M		CN-319F	BATTERY RELAY — FUSE BOX
22	R	AVSS5sq	CN-319F		CN-313M	FUSE BOX — BATTERY RELAY
23	Y	AVSS5sq	CN-319F		CN-313M	FUSE BOX — BATTERY RELAY
26	W	AVSS1.25sq	CN-319F		CN-317M	FUSE BOX — KEY SW
27A	WL	AVSS0.75sq	CN-326F		CN-317M	A/C-GRAY — KEY SW
27B	WL	AVSS0.75sq	CN-326F		CN-2F	A/C-GRAY — MECHA-TRO CONTROLLER
27C	WL	AVSS0.75sq	CN-326F		CN-333F	A/C-GRAY — A/C AMP
27D	WL	AVSS0.75sq	CN-326F		CN-324F	A/C-GRAY — DIODE
27E	WL	AVSS0.75sq	CN-326F		CN-324F	A/C-GRAY — DIODE
27F	WL	AVSS0.75sq	CN-326F		CN-325F	A/C-GRAY — DIODE

WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
28A	BR	AVSS0.75sq	CN-334F		CN-317M	15PAT-J/B — KEY SW
28B	BR	AVSS0.75sq	CN-335F		CN-325F	15PAT-J/B — DIODE
28C	BR	AVSS0.75sq	CN-336F		CN-325F	15PAT-J/B — DIODE
29A	P	AVSS0.75sq	CN-327F		CN-317M	10PAT-J/B — KEY SW
29B	P	AVSS0.75sq	CN-328F		CN-325F	10PAT-J/B — DIODE
29C	P	AVSS0.75sq	CN-329F		CN-312M	10PAT-J/B — GROW RELAY
30	Lg	AVSS0.75sq	CN-317M		CN-312M	KEY SW — STARTER RELAY
31A	W	AVSS0.75sq	CN-327F		CN-324F	10PAT-J/B — DIODE
31B	W	AVSS1.25sq	CN-328F		CN-302F	10PAT-J/B — RELAY(KEY SW)
31C	W	AVSS0.75sq	CN-329F		CN-314M	10PAT-J/B — BATTERY RELAY
32A	WG	AVSS0.75sq	CN-334F		CN-4F	15PAT-J/B — MECHA-TRO CONTROLLER
32B	WG	AVSS0.75sq	CN-335F		CN-324F	15PAT-J/B — DIODE
32C	WG	AVSS1.25sq	CN-336F		CN-302F	15PAT-J/B — RELAY(KEY SW)
32D	WG	AVSS0.75sq	CN-337F		CN-340F	15PAT-J/B — SAFETY RELAY
33	WL	AVSS0.75sq	CN-340F		CN-312M	SAFETY RELAY — STARTER RELAY
34	WR	AVSS0.75sq	CN-340F		CN-312M	SAFETY RELAY — ALTERNATOR
35B	BY	AVSS0.75sq	CN-326F		CN-340F	A/C-GRAY — SAFETY RELAY
35C	BY	AVSS0.75sq	CN-326F		CN-312M	A/C-GRAY — ALTERNATOR
35E	BY	AVSS0.75sq	CN-316M		CN-326F	AGUA METER — A/C-GRAY
41	RW	AVSS0.75sq	CN-1F		CN-317M	MECHA-TRO CONTROLLER — ACCEL POTENTIO
42	GO	AVSS0.75sq	CN-1F		CN-317M	MECHA-TRO CONTROLLER — ACCEL POTENTIO
43	BW	AVSS0.75sq	CN-1F		CN-317M	MECHA-TRO CONTROLLER — ACCEL POTENTIO
44	RW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DIG(+)
45	WR	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DIG(-)
46	BW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DIG(-)
47	RW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DUMP
48	WV	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DUMP
49	BW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BUCKET DUMP
50	RW	AVSS0.75sq	CN-1F		CN-308M	MECHA-TRO CONTROLLER — BOOM LIFTING
51	W	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BOOM LIFTING
52	BW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BOOM LIFTING
53	RW	AVSS0.75sq	CN-1F		CN-309M	MECHA-TRO CONTROLLER — BOOM LOWERING
54	WB	AVSS0.75sq	CN-1F		CN-308M	MECHA-TRO CONTROLLER — BOOM LOWERING
55	BW	AVSS0.75sq	CN-1F		CN-308M	MECHA-TRO CONTROLLER — BOOM LOWERING
56	RW	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PULLING
57	L	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PULLING
58	BW	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PULLING
59	RW	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PUSHING
60	LY	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PUSHING
61	BW	AVSS0.75sq	CN-1F		CN-310M	MECHA-TRO CONTROLLER — ARM PUSHING
62	RW	AVSS0.75sq	CN-1F		CN-312M	MECHA-TRO CONTROLLER — SWING
63	YR	AVSS0.75sq	CN-1F		CN-312M	MECHA-TRO CONTROLLER — SWING
64	BW	AVSS0.75sq	CN-1F		CN-312M	MECHA-TRO CONTROLLER — SWING
65	RW	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL RIGHT
66	LB	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL RIGHT
67	BW	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL RIGHT
68	RW	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL LEFT
69	LB	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL LEFT
70	BW	AVSS0.75sq	CN-1F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL LEFT
71	RW	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P1
72	YG	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P1
73	BW	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P1
74	RW	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P2
75	YV	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P2
76	BW	AVSS0.75sq	CN-3F		CN-312M	MECHA-TRO CONTROLLER — PUMP P2
77	RW	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — ACB

WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
78	VR	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — ACB
79	BW	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — ACB
80	RW	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — KNOBLER
81	VY	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — KNOBLER
82	BW	AVSS0.75sq	CN-3F		CN-310M	MECHA-TRO CONTROLLER — KNOBLER
83	LO	AVSS0.75sq	CN-2F		CN-6F	MECHA-TRO CONTROLLER — CLUSTERS SWITCH ASSY
84	LG	AVSS0.75sq	CN-2F		CN-6F	MECHA-TRO CONTROLLER — CLUSTERS SWITCH ASSY
85	P	AVSS0.75sq	CN-2F		CN-6F	MECHA-TRO CONTROLLER — CLUSTERS SWITCH ASSY
87	BP	AVSS0.75sq	CN-2F		CN-6F	MECHA-TRO CONTROLLER — CLUSTERS SWITCH ASSY
93A	W	MVVS0.75sq	CN-346F		CN-2F	A/C-ORENGE — MECHA-TRO CONTROLLER
93B	W	MVVS0.75sq	CN-346F		CN-5F	A/C-ORENGE — CLUSTERS SWITCH ASSY
93C	W	MVVS0.75sq	CN-346F		CN-301F	A/C-ORENGE — CHECK CONNECTOR
94A	GB	AVSS0.75sq	CN-334F		CN-2F	15PAT-J/B — MECHA-TRO CONTROLLER
94B	GB	AVSS0.75sq	CN-335F		CN-6F	15PAT-J/B — CLUSTERS SWITCH ASSY
94C	GB	AVSS0.75sq	CN-336F		CN-311M	15PAT-J/B — E/G OIL PRESS
95	G	AVSS0.75sq	CN-3F		CN-346M	MECHA-TRO CONTROLLER — MECHA-TRO SET
96	O	AVSS0.75sq	CN-2F		CN-307M	MECHA-TRO CONTROLLER — TRAVEL TWO-SPEED
97	GrR	AVSS0.75sq	CN-1F		CN-317M	MECHA-TRO CONTROLLER — POWER UP
98	V	AVSS0.75sq	CN-3F		CN-311M	MECHA-TRO CONTROLLER — GOVERNOR MOTOR
99	R	MVVS0.75sq	CN-1F		CN-314M	MECHA-TRO CONTROLLER — REVOLUTION SENSOR
100	W	MVVS0.75sq	CN-1F		CN-314M	MECHA-TRO CONTROLLER — REVOLUTION SENSOR
101	Gr	AVSS0.75sq	CN-201M		CN-3F	FROM CONTROL SW — MECHA-TRO CONTROLLER
111	PG	AVSS0.75sq	CN-2F		CN-6F	MECHA-TRO CONTROLLER — CLUSTERS SWITCH ASSY
112A	R	MVVS0.75sq	CN-346F		CN-2F	A/C-ORANGE — MECHA-TRO CONTROLLER
112B	R	MVVS0.75sq	CN-346F		CN-5F	A/C-ORANGE — CLUSTERS SWITCH ASSY
112C	R	MVVS0.75sq	CN-346F		CN-301F	A/C-ORANGE — CHECK CONNECTOR
114	BY	AVSS0.75sq	CN-4F		CN-338F	MECHA-TRO CONTROLLER — FLUSHER UNIT
115	G	MVVS0.75sq	CN-4F		CN-311M	MECHA-TRO CONTROLLER — GOVERNOR MOTOR
116	B	MVVS0.75sq	CN-4F		CN-311M	MECHA-TRO CONTROLLER — GOVERNOR MOTOR
117	R	MVVS0.75sq	CN-4F		CN-311M	MECHA-TRO CONTROLLER — GOVERNOR MOTOR
118	W	MVVS0.75sq	CN-4F		CN-311M	MECHA-TRO CONTROLLER — GOVERNOR MOTOR
119	GR	AVSS0.75sq	CN-4F		CN-202F	MECHA-TRO CONTROLLER — RELEASE IN (SWING PARKING)
120A	GrL	AVSS0.75sq	CN-327F		CN-4F	10PAT-J/B — MECHA-TRO CONTROLLER
120B	GrL	AVSS0.75sq	CN-328F		CN-308M	10PAT-J/B — POWER UP
120C	GrL	AVSS0.75sq	CN-329F		CN-5F	10PAT-J/B — CLUSTERS SWITCH ASSY
123A	OL	AVSS0.75sq	CN-334F		CN-4F	15PAT-J/B — MECHA-TRO CONTROLLER
123B	OL	AVSS0.75sq	CN-335F		CN-308M	15PAT-J/B — TWO-SPEED TRAVEL
123C	OL	AVSS0.75sq	CN-336F		CN-5F	15PAT-J/B — CLUSTERS SWITCH ASSY
124	VW	AVSS0.75sq	CN-4F		CN-308M	MECHA-TRO CONTROLLER — P2 BYPASS CUT
125	LW	AVSS0.75sq	CN-4F		CN-308M	MECHA-TRO CONTROLLER — P2 BYPASS CUT
126	VG	AVSS0.75sq	CN-4F		CN-308M	MECHA-TRO CONTROLLER — STRAIGHT TRAVEL
127	GrG	AVSS0.75sq	CN-4F		CN-308M	MECHA-TRO CONTROLLER — STRAIGHT TRAVEL
128	GrB	AVSS0.75sq	CN-4F		CN-308M	MECHA-TRO CONTROLLER — P1 BYPASS CUT

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