KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

SK430 III

SK430LC III

S5LS0105E

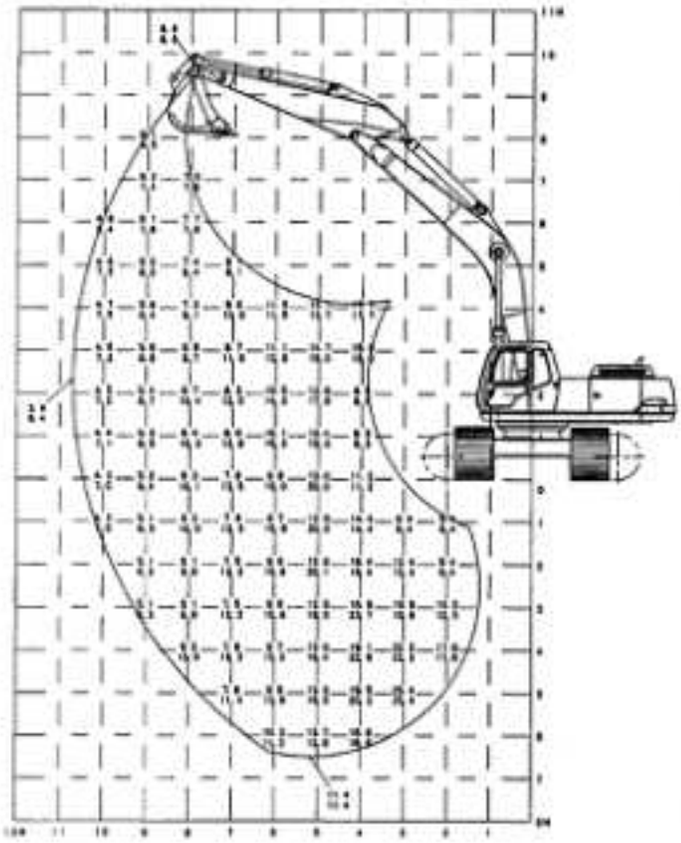
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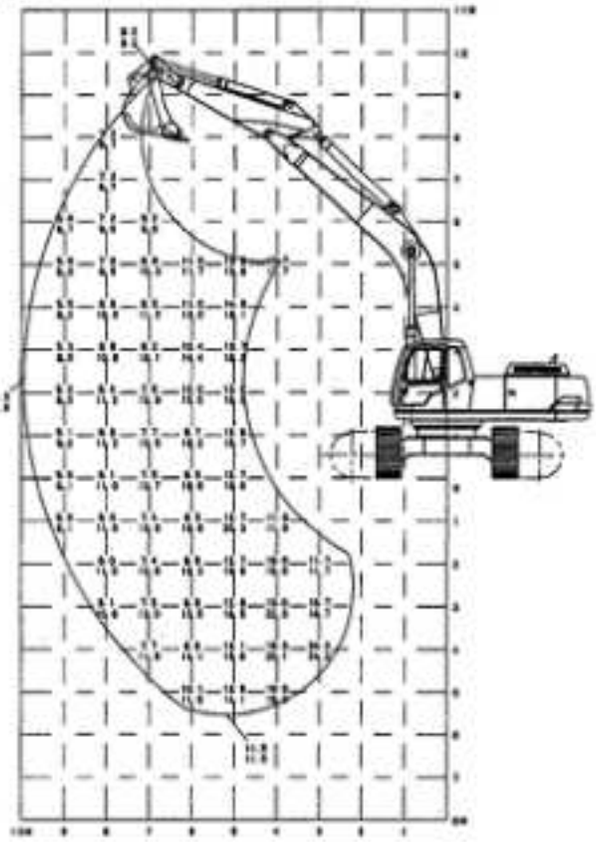
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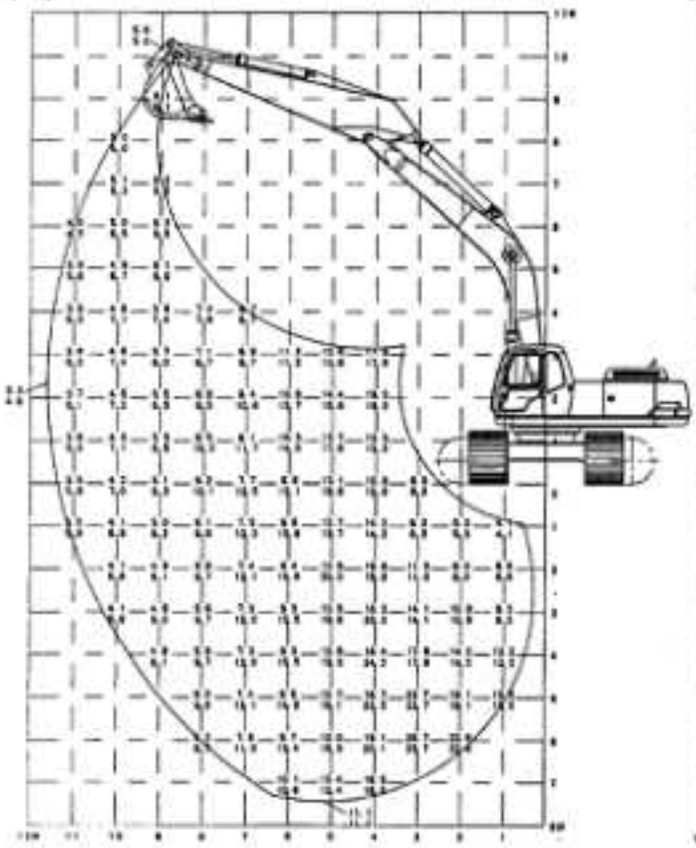
(11) Unit : ton



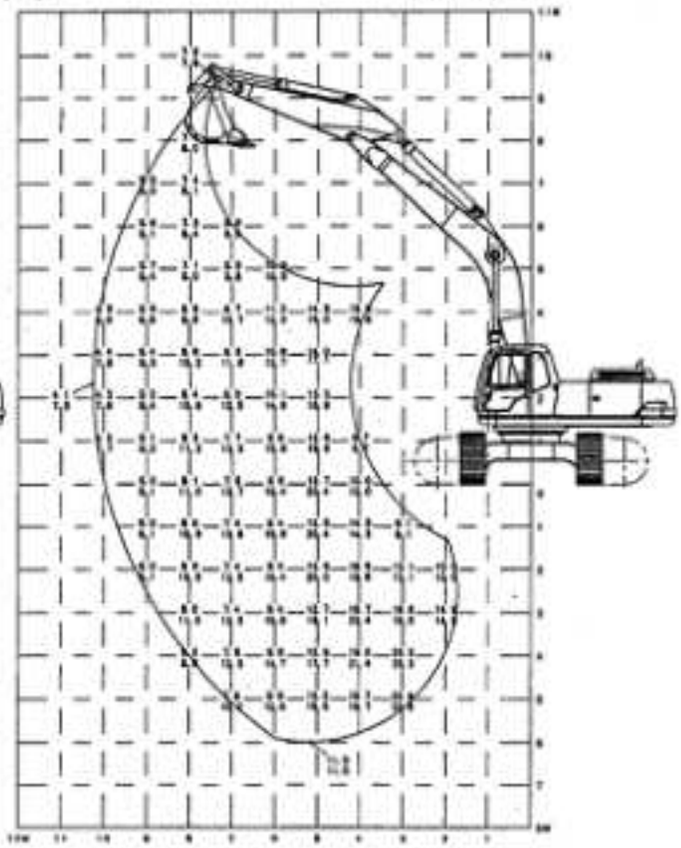
(13) Unit : ton



(12) Unit : ton



(14) Unit : ton



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WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
33A	WL	AVSS0.75sq	CN-312M		CN-334F	STARTER RELAY → SAFETY RELAY
35	WR	AVSS0.75sq	CN-312M		CN-334F	ALTERNATOR → SAFETY RELAY
35A	BY	AVSS0.75sq	CN-334F		CN-320F	SAFETY RELAY → 15PAF-J/B
35B	BY	AVSS0.75sq	CN-312M		CN-321F	ALTERNATOR → 15PAF-J/B
35C	BY	AVSS0.75sq	CN-3F		CN-322F	CLUSTER CONTROLLER → 15PAF-J/B
35D	BY	AVSS0.75sq	CN-304M		CN-323F	ALTERNATOR → 15PAF-J/B
51	V	AVSS0.75sq	CN-311M		CN-8F	GOVERNOR MOTOR → CONTROLLER KPSS
52A	P	AVSS0.75sq	CN-8F		CN-317F	CONTROLLER KPSS → 15PAF-J/B
52B	P	AVSS0.75sq	CN-313M		CN-318F	PRESS SW (AUTO ACCEL) → 15PAF-J/B
52C	P	AVSS0.75sq	CN-303M		CN-319F	AUTO ACCEL SELECT SW → 15PAF-J/B
54	B	AVSS0.75sq	CN-345F		CN-8F	CONNECT WITH → CONTROLLER KPSS
55	OB	AVSS0.75sq	CN-8F		CN-348F	CONTROLLER KPSS → FOR CHECK
56A	OL	AVSS0.75sq	CN-8F		CN-317F	CONTROLLER KPSS → 15PAF-J/B
56B	OL	AVSS0.75sq	CN-4F		CN-318F	CLUSTER CONTROLLER → 15PAF-J/B
56C	OL	AVSS0.75sq	CN-303M		CN-319F	ENGINE STOP TIME SET → 15PAF-J/B
57	O	AVSS0.75sq	CN-8F		CN-328F	CONTROLLER KPSS → DIODE
58A	GW	AVSS0.75sq	CN-303M		CN-7F	ACCEL POTENTIO → CONTROLLER KPSS
58	GO	AVSS0.75sq	CN-303M		CN-7F	ACCEL POTENTIO → CONTROLLER KPSS
60A	GB	AVSS0.75sq	CN-303M		CN-7F	ACCEL POTENTIO → CONTROLLER KPSS
61	WR	AVSS0.75sq	CN-303M		CN-7F	ENGINE LOADING MOTOR → CONTROLLER KPSS
64	LR	AVSS0.75sq	CN-8F		CN-328F	CONTROLLER KPSS → DIODE
65A	GrR	AVSS0.75sq	CN-328F		CN-317F	DIODE → 15PAF-J/B
65B	GrR	AVSS0.75sq	CN-201F		CN-318F	RELEASE SW → 15PAF-J/B
65C	GrR	AVSS0.75sq	CN-303M		CN-319F	POWER SELECT SW → 15PAF-J/B
66A	BO	AVSS0.75sq	CN-8F		CN-317F	CONTROLLER KPSS → 15PAF-J/B
66B	BO	AVSS0.75sq	CN-329F		CN-318F	DIODE → 15PAF-J/B
66C	BO	AVSS0.75sq	CN-303M		CN-319F	MODE SELECT SW → 15PAF-J/B
67	LO	AVSS0.75sq	CN-8F		CN-329F	CONTROLLER KPSS → DIODE
68	Y	AVSS0.75sq	CN-303M		CN-329F	MODE SELECT SW → DIODE
69A	LB	AVSS0.75sq	CN-8F		CN-317F	CONTROLLER KPSS → 15PAF-J/B
69B	LB	AVSS0.75sq	CN-312M		CN-318F	RELEASE SW (BOOM) → 15PAF-J/B
69C	LB	AVSS0.75sq	CN-1F		CN-319F	FLASHER UNIT → 15PAF-J/B
85A	VG	AVSS0.75sq	CN-8F		CN-331F	CONTROLLER KPSS → J/C-ORANGE
85B	VG	AVSS0.75sq	CN-348F		CN-331F	FOR CHECK → J/C-ORANGE
85C	VG	AVSS0.75sq	CN-4F		CN-331F	CLUSTER CONTROLLER → J/C-ORANGE
86	PL	AVSS0.75sq	CN-3F		CN-7F	CLUSTER CONTROLLER → CONTROLLER KPSS
87	PG	AVSS0.75sq	CN-3F		CN-7F	CLUSTER CONTROLLER → CONTROLLER KPSS
88	YB	AVSS0.75sq	CN-201F		CN-7F	RELEASE SW → CONTROLLER KPSS
89	YL	AVSS0.75sq	CN-201F		CN-7F	RELEASE SW → CONTROLLER KPSS
90	GB	AVSS0.75sq	CN-301M		CN-201F	PROPORTIONAL VALVE (KPSS) → RELEASE SW
91	YR	AVSS0.75sq	CN-301M		CN-201F	PROPORTIONAL VALVE (KPSS) → RELEASE SW
92	WB	AVSS0.75sq	CN-201F		CN-314F	RELEASE SW → RESISTOR
93	BY	AVSS0.75sq	CN-301M		CN-7F	S.V.(VARIABLE LEAKING) → CONTROLLER KPSS
94	BP	AVSS0.75sq	CN-301M		CN-7F	S.V.(VARIABLE LEAKING) → CONTROLLER KPSS
101	PB	AVSS0.75sq	CN-303M		CN-4F	ENGINE STOP TIME SET → CLUSTER CONTROLLER
102A	GB	AVSS0.75sq	CN-3F		CN-320F	CLUSTER CONTROLLER → 15PAF-J/B
102B	GB	AVSS0.75sq	CN-328F		CN-321F	DIODE → 15PAF-J/B
102C	GB	AVSS0.75sq	CN-312M		CN-322F	E/G OIL PRESS → 15PAF-J/B
103	YG	AVSS0.75sq	CN-312M		CN-3F	E/G OIL FILTER → CLUSTER CONTROLLER
104	RG	AVSS0.75sq	CN-312M		CN-3F	AIR FILTER RESTRICTION → CLUSTER CONTROLLER
105	YB	AVSS0.75sq	CN-312M		CN-3F	E/G WATER TEMP SW → CLUSTER CONTROLLER
106	YL	AVSS0.75sq	CN-312M		CN-3F	COOLING LEVEL → CLUSTER CONTROLLER
107	YV	AVSS0.75sq	CN-312M		CN-3F	E/G OIL LEVEL → CLUSTER CONTROLLER
108	GY	AVSS0.75sq	CN-301M		CN-3F	HYD OIL LEVEL → CLUSTER CONTROLLER
109	YR	AVSS0.75sq	CN-312M		CN-4F	THERMO SENSING → CLUSTER CONTROLLER
110	YW	AVS0.85sq	CN-309M		CN-4F	FUEL LEVEL → CLUSTER CONTROLLER
111	YO	AVS0.85sq	CN-309M		CN-4F	FUEL EMPTY → CLUSTER CONTROLLER
113A	RW	AVSS0.75sq	CN-3F		CN-331F	CLUSTER CONTROLLER → J/C-ORANGE
113B	RW	AVSS0.75sq	CN-313M		CN-331F	TWO SPEED TRAVEL S.V. → J/C-ORANGE
113C	RW	AVSS0.75sq	CN-325F		CN-331F	TWO SPEED TRAVEL RELAY → J/C-ORANGE
114	BrW	AVSS0.75sq	CN-338F		CN-3F	STATE OF SWING FLASHER SW RELAY → CLUSTER CONTROLLER

WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
115A	GrL	AVSS0.75sq	CN-4F		CN-331F	CLUSTER CONTROLLER → J/C-ORANGE
115B	GrL	AVSS0.75sq	CN-315F		CN-331F	RELAY ASSY → J/C-ORANGE
115C	GrL	AVSS0.75sq	CN-313M		CN-331F	POWER BOOST S.V. → J/C-ORANGE
116A	RY	AVSS0.75sq	CN-4F		CN-320F	CLUSTER CONTROLLER → 15PAF-J/B
116B	RY	AVSS0.75sq	CN-315F		CN-321F	RELAY ASSY → 15PAF-J/B
116C	RY	AVSS0.75sq	CN-309M		CN-322F	DIODE B → 15PAF-J/B
117A	V	AVSS0.75sq	CN-4F		CN-320F	CLUSTER CONTROLLER → 15PAF-J/B
117B	V	AVSS0.75sq	CN-313M		CN-321F	PRESS SW (BREAKER) → 15PAF-J/B
117C	V	AVSS0.75sq	CN-329F		CN-322F	DIODE → 15PAF-J/B
117D	V	AVSS0.75sq	CN-303M		CN-323F	MODE SELECT SW → 15PAF-J/B
118	VW	AVSS0.75sq	CN-304M		CN-340F	AUTO GREASE CONTROLLER → OUTPUT REVERSE UNIT
120	VG	AVSS0.75sq	CN-340F		CN-3F	OUTPUT REVERSE UNIT → CLUSTER CONTROLLER
121	RL	AVSS0.75sq	CN-201F		CN-315F	RELEASE SW → RELAY ASSY
122A	LeR	AVSS0.75sq	CN-304M		CN-331F	FLASHER SW → J/C-ORANGE
122B	LeR	AVSS0.75sq	CN-331F		CN-1F	J/C-ORANGE → FLASHER UNIT
122C	LeR	AVSS0.75sq	CN-338F		CN-331F	STATE OF SWING FLASHER SW RELAY → J/C-ORANGE
123A	BrY	AVSS0.75sq	CN-1F		CN-320F	FLASHER UNIT → 15PAF-J/B
123B	BrY	AVSS0.75sq	CN-309M		CN-321F	FLASHER (R) → 15PAF-J/B
123C	BrY	AVSS0.75sq	CN-312M		CN-322F	FLASHER (L) → 15PAF-J/B
124A	BrR	AVSS0.75sq	CN-1F		CN-320F	FLASHER UNIT → 15PAF-J/B
124B	BrR	AVSS0.75sq	CN-309M		CN-321F	FLASHER (R) → 15PAF-J/B
124C	BrR	AVSS0.75sq	CN-312M		CN-322F	FLASHER (L) → 15PAF-J/B
125A	RG	AVSS0.75sq	CN-304M		CN-320F	WORK LIGHT SW → 15PAF-J/B
125B	RG	AVSS0.75sq	CN-315F		CN-321F	RELAY ASSY → 15PAF-J/B
125C	RG	AVSS0.75sq	CN-315F		CN-322F	RELAY ASSY → 15PAF-J/B
126A	RB	AVSS0.75sq	CN-315F		CN-320F	RELAY ASSY → 15PAF-J/B
126B	RB	AVSS0.75sq	CN-309M		CN-321F	WORK LIGHT (R) → 15PAF-J/B
126C	RB	AVSS0.75sq	CN-313M		CN-322F	WORK LIGHT (L) → 15PAF-J/B
126D	RB	AVSS0.75sq	CN-342F		CN-323F	AIR CONDITIONER → 15PAF-J/B
127A	LY	AVSS0.75sq	CN-309M		CN-315F	DIODE A → RELAY ASSY
128	BrR	AVSS0.75sq	CN-309M		CN-333F	WIPER(WASHER) SW → INTERMIT RELAY
129	Br	AVSS0.75sq	CN-305M		CN-333F	WIPER(WASHER) SW → INTERMIT RELAY
130	BrW	AVSS0.75sq	CN-308F		CN-333F	WIPER → INTERMIT RELAY
131	BrB	AVSS0.75sq	CN-308F		CN-333F	WIPER → INTERMIT RELAY
132	O	AVSS0.75sq	CN-313M		CN-326F	TWO SPEED TRAVEL SW → TWO-SPEED TRAVEL RELAY
134	BG	AVSS0.75sq	CN-309M		CN-337F	TRAVEL ALARM → TRAVEL ALARM RELAY
135	LR	AVSS0.75sq	CN-313M		CN-337F	PRESS SW (TRAVEL) → TRAVEL ALARM RELAY
151B	G	AVSS0.75sq	CN-302M		CN-313M	LEVER LOCK → LEVER LOCK S.V.
152B	Le	AVSS0.75sq	CN-303M		CN-313M	MODE SELECT → PC MODE S.V.
153A	RW	AVSS0.75sq	CN-304M		CN-320F	WORK LIGHT SW → 15PAF-J/B
153B	RW	AVSS0.75sq	CN-309M		CN-321F	REAR WORK LIGHT (R) → 15PAF-J/B
153C	RW	AVSS0.75sq	CN-312M		CN-322F	REAR WORK LIGHT (L) → 15PAF-J/B
154	LeB	AVSS0.75sq	CN-309M		CN-313M	WIPER(WASHER) SW → WASHER MOTOR
155	PL	AVSS0.75sq	CN-312M		CN-342F	PRESS SW → AIR CONDITIONER
157	LY	AVSS1.25sq	CN-302M		CN-346F	HEATER SW → HEATER
158	LB	AVSS1.25sq	CN-302M		CN-346F	HEATER SW → HEATER
159	GrG	AVSS0.75sq	CN-302M		CN-332F	TUNER → SPEAKER
160	VG	AVSS0.75sq	CN-302M		CN-349F	TUNER → SPEAKER
161	VR	AVSS0.75sq	CN-304M		CN-309M	AUTO GREASE CONTROLLER → GREASE MOTOR
162	VY	AVSS0.75sq	CN-304M		CN-309M	AUTO GREASE CONTROLLER → GREASE MOTOR
163	Gr	AVSS0.75sq	CN-304M		CN-309M	AUTO GREASE CONTROLLER → GREASE MOTOR
164	GrB	AVSS0.75sq	CN-304M		CN-309M	AUTO GREASE CONTROLLER → GREASE MOTOR
165	PG	AVSS0.75sq	CN-303M		CN-315F	HORN SW → RELAY ASSY
201	BY	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
202	B	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
203	R	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
204	BG	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
205	O	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
206	BL	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
207	Y	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
208	G	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
209	L	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER

WIRE NO	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
210	LR	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
211	V	AVS0.5sq	CN-304M		CN-5F	BUZZER → CLUSTER CONTROLLER
212	VW	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
213	BW	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
214	BR	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
215	GR	AVS0.5sq	CN-305M		CN-5F	CLUSTER GAUGE → CLUSTER CONTROLLER
216	W	AVS0.5sq	CN-303M		CN-5F	BUZZER → CLUSTER CONTROLLER
231	LW	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
232	WR	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
233	BrW	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
234	GW	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
235	RG	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
236	RB	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
237	B	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
238	RL	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
239	LB	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
240	YB	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
241	GR	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
242	YL	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
243	WG	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
244	YG	AVSS0.75sq	CN-307F		CN-343M	CONTROL PANEL → A/C CONDITIONER
E1	B	AVSS1.25sq	CN-303M		CN-341F	INST PANEL L/B → 15PAF-GND
E2	B	AVSS0.75sq	CN-315F		CN-330F	RELAY ASSY → J/C-GRAY
E3	B	AVSS1.25sq	CN-341F		CN-330F	15PAF-GND → J/C-GRAY
E4	B	AVSS1.25sq	CN-341F		CN-330F	15PAF-GND → J/C-GRAY
E5	B	AVS5sq	CN-310M		P-1	DIODE B → BODY EARTH
E6	B	AVSS0.75sq	CN-330F		CN-330F	J/C-GRAY → J/C-GRAY
E7	B	AVSS0.75sq	CN-2F		CN-330F	CLUSTER CONTROLLER → J/C-GRAY
E8	B	AVSS0.75sq	CN-341F		CN-2F	15PAF-GND → CONTROLLER KPSS
E9	B	AVSS0.75sq	CN-341F		CN-3F	15PAF-GND → CLUSTER CONTROLLER
E10	B	AVSS0.75sq	CN-341F		CN-334F	15PAF-GND → SAFETY RELAY
E11	B	AVSS0.75sq	CN-341F		CN-325F	15PAF-GND → TWO-SPEED TRAVEL RELAY
E12	B	AVSS1.25sq	CN-341F		CN-342F	15PAF-GND → AIR CONDITIONER
E13	B	AVSS0.75sq	CN-341F		CN-201F	15PAF-GND → RELEASE SW
E14	B	AVSS0.75sq	CN-341F		CN-339F	15PAF-GND → KEY SW RELAY
E15	B	AVSS0.75sq	CN-303M		CN-341F	INST PANEL L/B → 15PAF-GND
E16	B	AVSS0.75sq	CN-340F		CN-330F	OUTPUT REVERSE UNIT → J/C-GRAY
E17	B	AVSS0.75sq	CN-1F		CN-330F	FLASHER UNIT → J/C-GRAY
E18	B	AVSS0.75sq	CN-333F		CN-330F	INTERMIT RELAY → J/C-GRAY
E19	B	AVSS0.75sq	CN-348F		CN-330F	FOR CHECK → J/C-GRAY
E20	B	AVSS0.75sq	CN-315F		CN-330F	RELAY ASSY → J/C-GRAY
E21	B	AVSS1.25sq	CN-347F		CN-330F	24V POWER SOURCE/EARTH → J/C-GRAY
E22	B	AVSS0.75sq	F-2		CN-330F	CIGARRET LIGHTER → J/C-GRAY
E24	B	AVSS0.75sq	CN-349F		CN-330F	SPEAKER → J/C-GRAY
E25	B	AVSS0.75sq	CN-332F		CN-330F	SPEAKER → J/C-GRAY
E26	B	AVSS0.75sq	CN-344M		CN-330F	CONNECT WITH → J/C-GRAY
E27	B	AVSS0.75sq	CN-308F		CN-330F	WIPER → J/C-GRAY
E28	B	AVSS0.75sq	CN-338F		CN-330F	STATE OF SWING FLASHER SW RELAY → J/C-GRAY
E29	B	AVSS0.75sq	CN-338F		CN-330F	STATE OF SWING FLASHER SW RELAY → J/C-GRAY
81	G	MVV30.75sq	CN-311M		CN-7F	REVOLUTION SENSOR → CONTROLLER KPSS
82	B		CN-311M		CN-7F	REVOLUTION SENSOR → CONTROLLER KPSS
83	R		CN-311M		CN-7F	REVOLUTION SENSOR → CONTROLLER KPSS
84	W		CN-311M		CN-7F	REVOLUTION SENSOR → CONTROLLER KPSS
SH1	Gr		CN-311M		CN-330F	REVOLUTION SENSOR → J/C-GRAY
82	R	MVV50.75sq	CN-311M		CN-8F	REVOLUTION SENSOR → CONTROLLER KPSS
83	W		CN-311M		CN-8F	REVOLUTION SENSOR → CONTROLLER KPSS
SH2	Gr		CN-311M		CN-8F	REVOLUTION SENSOR → CONTROLLER KPSS

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