KOBELCO

PARTS CATALOG

HYDRAULIC EXCAVATOR

SK150LC

Applicable: YMU1501~

2421R382D17 09/00

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TABLE OF CONTENTS

00. GENERAL MAINTENANCE

FILTER LIST 004-49-1
HYDRAULIC SERVICE COMPONENTS 005-01-1
HYDRAULIC LINE WRENCHES 005-01-2
KOBELCO OILS AND LUBRICANTS 005-01-2
KOBELCO PAINTS 005-01-2
KOBELCO WIRING HARNESS MASTER REPAIR KIT 005-01-3

0.UPPER GROUP

UPPER FRAME ASSEMBLY 011-49-1
UPPER FRAME (REWORK) 014-60-1
UPPER FRAME (REWORK FOR LEFT LOWER MIRROR MOUNT) 014-75-1
COUNTERWEIGHT ASSEMBLY 015-49-1
SWING MOTOR ASSEMBLY 025-49-1
HYDRAULIC TANK ASSEMBLY 041-49-1
FUEL TANK ASSEMBLY 045-49-1

1. CAB & SHEET METAL GROUP

CAB INSTALLATION 051-49-1
CAB ASSEMBLY 055-49-1
MIRROR INSTALLATION (FRAME) 059-50-1
FLOOR PLATE ASSEMBLY 064-49-1
SEAT GROUP 071-49-1
SEAT ASSEMBLY 074-49-1
MACHINERY COVERS & SHEET METAL (GUARD ASSY) 081-49-1
COVER ASSEMBLY (ENGINE HOOD) 101-49-1
UNDER COVER ASSEMBLY 115-49-1

2. CONTROL GROUP

CONTROLS, OPERATORS 121-49-1
CONTROL BOX ASSEMBLY 124-49-1
REMOTE CONTROL ASSY(WRIST CONTROL AND PILOT LINES) 161-49-1
REWORK REMOTE CONTROL ASSY(BOOM, BOOM AND ARM SAFETY) 161-51-1
REWORK REMOTE CONTROL ASSY(BOOM SAFETY ~5/98) 161-52-1
REWORK REMOTE CONTROL ASSY(BOOM AND ARM SAFETY ~5/98) 161-53-1
REWORK REMOTE CONTROL ASSY(BOOM, BOOM AND ARM SAFETY ~5/98) 161-54-1
REWORK, REMOTE CONTROL (NIBBLER & BREAKER) 161-60-1
REWORK, REMOTE CONTROL (BOOM & ARM SAFETY) 161-63-1
REWORK, REMOTE CONTROL (EXTRA) 161-73-1
REWORK, REMOTE CONTROL (EXTRA & BREAKER) 161-62-1
FOOT PEDAL & CONTROL LEVER ASSEMBLY 201-49-1

3. UPPER HYDRAULIC GROUP

UPPER HYDRAULICS (N.A. & S.A.) STANDARD 221-49-1
UPPER HYDRAULICS (EC) STANDARD 221-50-1
UPPER HYDRAULICS (N.A. REWORK FOR BOOM, BOOM & ARM SAFETY) 221-53-1

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UPPER HYDRAULICS (E.C BOOM, BOOM & ARM SAFETY) 221-53A-1
UPPER HYDRAULICS (N.A & E.C REWORK FOR NIBBLER & BREAKER) 221-60-1
UPPER HYDRAULICS (N.A. & E.C REWORK FOR EXTRA & BREAKER, EXTRA) 221-62-1
UPPER HYDRAULICS (N.A. & E.C. REWORK FOR BREAKER) 221-63-1

4. ENGINE INSTALLATION & CONTROL GROUP

POWER PLANT ASSEMBLY 291-49-1
ENGINE ASSEMBLY 295-49-1
POWER TAKE-OFF ASSEMBLY (HYDRAULIC PUMP) 301-49-1
AIR CLEANER ASSEMBLY 318-49-1
RADIATOR & COOLER ASSEMBLY 321-49-1
ENGINE THROTTLE CONTROL ASSEMBLY (STEPPING MOTOR) 371-49-1
INSTRUMENT PANEL ASSEMBLY 381-49-1
CONTROLLER INSTALLATION 384-49-1
CONTROLLER ASSEMBLY (TYPICAL VIEW) 384-49-2
CONTROLLER ASSEMBLY 385-49-1
CLUSTER GAUGE ASSEMBLY 386-49-1
FUSE BOX ASSEMBLY 387-49-1
HEATER & DEFROSTER INSTALLATION (RED DOT R-1550) 392-49-1
HEATER ASSEMBLY (RED DOT R-1550) 393-49-1
CONTROL PANEL ASSEMBLY (RED DOT R-1550) 394-49-1
HEATER INSTALLATION 395-49-1
HEATER AND HEATER AIR CONDITIONER ASSEMBLY (RED DOT R-1550) 398-49-1
AIR CONDITIONER KIT INSTALLATION (RED DOT R-1550) 399-49-1

5. ELECTRICAL COMPONENTS

ELECTRICAL WIRING ASSEMBLY 411-49-1
HARNESS ASSEMBLY (INSTRUMENT PANEL) 415-49-1
HARNESS ASSEMBLY (CONTROLLER) 416-49-1
BATTERY ASSEMBLY 421-49-1
LAMP ASSEMBLY (COMPLETE MACHINE) 423-49-1
SWING FLASHER ASSEMBLY (RED) 427-49-1
REAR LAMP ASSEMBLY (CLEAR) 428-49-1

6. LOWER GROUP

LOWER INSTALLATION 444-49-1
IDLER ASSEMBLY 451-49-1
LOWER ROLLER ASSEMBLY 461-49-1
UPPER ROLLER ASSEMBLY 467-49-1
IDLER ADJUSTER ASSEMBLY 481-49-1
PROPEL MOTOR ASSEMBLY 481-49-1
LOWER HYDRAULICS 491-49-1
CRAWLER TRACK INSTALLATION 511-49-1

7. FRONT ATTACHMENTS GROUP

BOOM ASSEMBLY, 5.15M (N.A.,E.C.) 621-49-1
BOOM ASSEMBLY, 5.15M (S.A.) 621-57-1
BOOM ASSEMBLY, 5.15M (NIBBLER & BREAKER OR BREAKER) 621-60-1
BOOM ASSEMBLY, 5.15M (EXTRA & BREAKER) 621-62-1

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BOOM ASSEMBLY, 5.15M (EXTRA) 621-73-1
BOOM ASSEMBLY, 5.15M (BOOM SAFETY ~5/98) 622-50-1
BOOM ASSEMBLY, 5.15M (BOOM SAFETY 5/98~) 622-50A-1
BOOM ASSEMBLY, 5.15M NIBBLER & BREAKER OR BREAKER (BOOM SAFETY ~5/98) 622-60-1
BOOM ASSEMBLY, 5.15M NIBBLER & BREAKER OR BREAKER (BOOM SAFETY 5/98~) 622-60A-1
BOOM ASSEMBLY, 5.15M EXTRA & BREAKER (BOOM SAFETY ~5/98) 622-62-1
BOOM ASSEMBLY, 5.15M EXTRA & BREAKER (BOOM SAFETY 5/98~) 622-62A-1
BOOM ASSEMBLY, 5.15M EXTRA (BOOM SAFETY ~5/98) 622-73-1
BOOM ASSEMBLY, 5.15M EXTRA (BOOM SAFETY 5/98~) 622-73A-1
BOOM ASSEMBLY, 5.15M (BOOM & ARM SAFETY ~5/98) 623-50-1
BOOM ASSEMBLY, 5.15M (BOOM & ARM SAFETY 5/98~) 623-50A-1
BOOM ASSEMBLY, 5.15M N & B OR BREAKER(BOOM & ARM SAFETY ~5/98) 623-60-1
BOOM ASSEMBLY, 5.15M N & B OR BREAKER(BOOM & ARM SAFETY 5/98~) 623-60A-1
BOOM ASSEMBLY, 5.15M EXTRA & BREAKER (BOOM & ARM SAFETY) 623-62-1
BOOM ASSEMBLY, 5.15M EXTRA (BOOM & ARM SAFETY) 623-73-1
ARM ASSEMBLY, 2.6M (N.A. & EC) 631-49-1
ARM ASSEMBLY, 2.6M (SA) 631-50-1
ARM ASSEMBLY, 2.6M NIBBLER & BREAKER (N.A & EC) 631-60-1
ARM ASSEMBLY, 2.6M EXTRA & BREAKER (N.A.& EC) 631-62-1
ARM ASSEMBLY, 2.6M BREAKER (N.A.& EC) 631-63-1
ARM ASSEMBLY, 2.6M EXTRA (N.A.& EC) 631-73-1
BUCKET ASSEMBLY 641-49-1

8. MACHINE OPTIONS
VANDALISM GUARD ASSEMBLY, CAB 711-49-1
VANDALISM PROTECTION GROUP 712-49-1
SEAT BELT ASSEMBLY 721-49-1
FAN INSTALLATION 794-49-1
MIRROR INSTALLATION (FRAME) 795-57-1
TRAVEL ALARM ASSEMBLY (N.A. & EC) 798-49-1
RADIO INSTALLATION (LEFT CONTROL BOX - EC) 799-49-1

9. FRONT ATTACHMENT OPTIONS
ARM ASSEMBLY, 3.06M (N.A. & S.A.) 852-49-1
ARM ASSEMBLY, 3.06M (EC) 852-50-1

10. LABEL INSTALLATION
NAMEPLATE & LABEL INSTALLATION 961-49
TOOL KIT ASSEMBLY 981-51
REPLACEMENT FILTER KIT 986-49

11. HYDRAULIC COMPONENTS
1 CONTROL VALVES-UPPER HYDRAULIC HC1
2 SWING & PROPEL MOTORS & VALVES HC21
3 PUMPS HC35
4 CYLINDERS HC43
5 OTHER EC1

12. ENGIINE COMPONENTS
1 ENGINE COMPONENTS EC1

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HARNESS ASSEMBLY
(CONTROLLER)
24100J17094F6,F8

CONNECTOR SELECTION TABLE

CONNECTOR NAME / NO. OF PINS	MAKER	PART NUMBER					
		HOUSING	TERMINAL	HARNESS SEAL	RETAINER / LOCK PLATE	SEALING PLUG	CLIP
3PAM-HD	SUMITOMO	6098-0280	6239-4262				
16PAM-HD	SUMITOMO	6098-0258	6239-4262				
8PAM-HD	SUMITOMO	6098-0256	6239-4262				
14PAM-HD	SUMITOMO	6098-0254	6239-4262				
12PAM-HD	SUMITOMO	6098-0252	6239-4262				
10PAM-HD	SUMITOMO	6098-0250	6239-4262				
8PAM-HD	SUMITOMO	6098-0248	6239-4262				
7PAF-HD30	SUMITOMO	6950-0209	6042-4056 6142-4068				
2PAM-HD30	SUMITOMO	6098-0208	6232-4220 6232-4238				
16PAM-TS	SUMITOMO	6249-1031	6239-4262				
12PAM-DS	SUMITOMO	6098-0212	6239-4262				
12PAF-PA	YAZAKI	7116-3175	7116-4021				
6PAF	YAZAKI	7123-2262	7116-2060				
8PAF-R	YAZAKI	7123-4103-30	7116-2871		7167-5059-20		
4PAF	YAZAKI	7123-3449	7116-2060				
3PAF	YAZAKI	7123-2228	7116-2060				
1PAF	YAZAKI	7123-2215	7116-2060				
1PAM	YAZAKI	7122-0215	7114-2020				
16PAF-AMP	AMP	173483-1	172773-1				
12PAF-AMP	AMP	172402-1	172773-1				
16PAF-040	AMP	173483-1	173861-1				
6PAF-AMP	AMP	174046-2	173861-1				
CS154	YAZAKI	7135-1020 (INSERT TYPE)	7115-1050				
CA104	YAZAKI	7125-8012	7113-1020				
STRAIGHT FEMALE	YAZAKI	7130-8011	7116-2270				
4PAF-DIODE	YAZAKI	7125-7144	7116-1181P				
15PAF-GND	YAZAKI	7280-1110 7322-7916	7116-4021				
16PAF-J/B	SUMITOMO	6461-0095 6439-7084	6189-6466				
16PAF-J/B	SUMITOMO	6461-7274 6439-7541	6189-6466				
J/C-GRAY	SUMITOMO	6430-0081 6436-0255	6240-4422				
6PAF-P&S	P&S	VCF-1000	AMP: 2873944 AMP: 42281-1				
2PAM	YAZAKI	7122-0229	7114-2021 (Tin)				

(2479U1980)

WIRE NO.	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
4	RG	AVS50. 75sa	CN-321M		F-3	FUSE BOX → CIGARETTE LIGHTER
5	YR	AVS50. 75sa	CN-321M		F-7	FUSE BOX → 24V
6A	L	AVS50. 75sa	CN-316F	DOUBLE SPLICE	CN-321M	10PAF - J/B → FUSE BOX
6B	L	AVS50. 75sa	CN-315F		CN-307F	10PAF - J/B → RELAY ASSY
6C	L	AVS50. 75sa	CN-316F		CN-307F	10PAF - J/B → RELAY ASSY
7	GY	AVS50. 75sa	CN-321M		F-8	FUSE BOX → 24V BACK UP
8A	RL	AVS50. 75sa	CN-321M		CN-337F	FUSE BOX → SURGE ABSORBER
8B	RL	AVS50. 75sa	CN-3F		CN-337F	CONTROLLER (ENGINE CLUTCH) → SURGE ABSORBER
9A	RB	AVS50. 75sa	CN-318F		CN-321M	16PAF - J/B → FUSE BOX
9B	RB	AVS50. 75sa	CN-318F		CN-306F	10PAF - J/B → TO CAB
9C	RB	AVS50. 75sa	CN-320F		CN-309M	10PAF - J/B → LH SIDE
10A	WR	AVSS1.25sa	CN-341F		CN-321M	J/C-ORANGE → FUSE BOX
10B	WR	AVSS1.25sa	CN-341F		CN-325F	J/C-ORANGE → KEY SW RELAY
10C	WR	AVSS1.25sa	CN-341F		CN-304M	J/C-ORANGE → INST PANEL L/R
11A	G	AVS50. 75sa	CN-341F		CN-321M	J/C-ORANGE → FUSE BOX
11B	G	AVS50. 75sa	CN-341F		CN-326F	J/C-ORANGE → FOR CHECK
11C	G	AVS50. 75sa	CN-341F		CN-7F	J/C-ORANGE → CONTROLLER (KPSS)
12A	RY	AVS50. 75sa	CN-314F		CN-321M	10PAF - J/B → FUSE BOX
12B	RY	AVS50. 75sa	CN-315F		CN-304M	10PAF - J/B → INST PANEL L/R
12C	RY	AVS50. 75sa	CN-316F		CN-313M	10PAF - J/B → UNDER THE FLOOR
12D	RY	AVS50. 75sa	CN-317F	DOUBLE SPLICE	CN-343F	10PAF - J/B → WARM UP RELAY UNIT
12E	RY	AVS50. 75sa	CN-343F	DOUBLE SPLICE	CN-343F	WARM UP RELAY UNIT → WARM UP RELAY UNIT
12F	RY	AVS50. 75sa	CN-343F		CN-344F	WARM UP RELAY UNIT → PRESS. SENSOR, WARM UP
13	Y	AVS50. 75sa	CN-321M		CN-3F	FUSE BOX → CONTROLLER (ENGINE CLUTCH)
14A	GR	AVS50. 75sa	CN-314F		CN-321M	10PAF - J/B → FUSE BOX
14B	GR	AVS50. 75sa	CN-315F		CN-304M	10PAF - J/B → INST PANEL L/R
14E	GR	AVS50. 75sa	CN-316F		CN-306F	10PAF - J/B → TO CAB
14F	GR	AVS50. 75sa	CN-317F		CN-323F	10PAF - J/B → INTERMIT RELAY
15A	LW	AVS50. 75sa	CN-339F		CN-321M	J/C - GRAY 1 → FUSE BOX
15B	LW	AVS50. 75sa	CN-339F		CN-301M	J/C - GRAY 1 → RH SIDE
15F	LW	AVS50. 75sa	CN-339F		CN-308F	J/C - GRAY 1 → RESISTOR
15H	LW	AVS50. 75sa	CN-339F		CN-313M	J/C - GRAY 1 → UNDER THE FLOOR
15I	LW	AVS50. 75sa	CN-339F		CN-338F	J/C - GRAY 1 → TWO SPEED TRAVEL RELAY
15J	LW	AVS50. 75sa	CN-339F		CN-338F	J/C - GRAY 1 → TWO SPEED TRAVEL RELAY
15M	LW	AVS50. 75sa	CN-339F		CN-304M	J/C - GRAY 1 → INST PANEL L/R
16A	WV	AVS50. 75sa	CN-341F		CN-321M	J/C-ORANGE → FUSE BOX
16B	WV	AVS50. 75sa	CN-341F		CN-331F	J/C-ORANGE → WORK LIGHT RELAY (LEFT)
16C	WV	AVS50. 75sa	CN-341F		CN-304M	J/C-ORANGE → INST PANEL L/R
17A	WL	AVS50. 75sa	CN-318F		CN-321M	10PAF - J/B → FUSE BOX
17B	WL	AVS50. 75sa	CN-319F		CN-307F	10PAF - J/B → RELAY ASSY
17C	WL	AVS50. 75sa	CN-320F		CN-307F	10PAF - J/B → RELAY ASSY
18	L	AVS51.25sa	CN-321M		CN-304M	FUSE BOX → INST PANEL L/R
19	GW	AVS51.25sa	CN-321M		CN-327F	FUSE BOX → 24V POWER SOURCE & GND
20	R	AVS51.25sa	F-1		CN-321M	AUTO FAN → FUSE BOX
21	W	AVS51.25sa	CN-322F		CN-302M	FUSE BOX → INST PANEL L/R
22A	WL	AVS51.25sa	CN-315F		CN-302M	10PAF - J/B → INST PANEL L/R
22B	WL	AVS51.25sa	CN-316F		CN-7F	10PAF - J/B → CONTROLLER (KPSS)
22C	WL	AVS51.25sa	CN-317F		CN-306M	10PAF - J/B → LH SIDE
22D	WL	AVS51.25sa	CN-315F		CN-335F	10PAF - J/B → DIODE
22E	WL	AVS51.25sa	CN-316F		CN-335F	10PAF - J/B → DIODE
22F	WL	AVS51.25sa	CN-314F		CN-314F	10PAF - J/B → 10PAF - J/B
22G	WL	AVS51.25sa	CN-317F		CN-336F	10PAF - J/B → DIODE
23A	Lg	AVS51.25sa	CN-336F	DOUBLE SPLICE	CN-302M	E/G STOP RELAY → INST PANEL L/R
23B	Lg	AVS51.25sa	CN-336F		CN-306M	E/G STOP RELAY → LH SIDE
24A	W	AVS51.25sa	CN-341F		CN-325F	J/C-ORANGE → KEY SW RELAY

WIRE NO.	WIRE COLOR	WIRE SIZE	FROM	CONNECTION	TO	FUNCTION
24B	W	AVS51.25sa	CN-341F		CN-335F	J/C-ORANGE → KEY SWITCH
24C	W	AVS51.25sa	CN-341F		CN-311M	J/C-ORANGE → DIODE
25A	WG	AVS51.25sa	CN-341F		CN-325F	J/C-ORANGE → LH SIDE
25B	WG	AVS51.25sa	CN-341F		CN-335F	J/C-ORANGE → KEY SW RELAY
25C	WG	AVS51.25sa	CN-341F		CN-7F	J/C-ORANGE → CONTROLLER (KPSS)
26A	BY	AVS51.25sa	CN-3F		CN-309M	CONTROLLER (ENGINE CLUTCH) → LH SIDE
27A	BR	AVS51.25sa	CN-314F		CN-336F	10PAF - J/B → DIODE
27B	BR	AVS51.25sa	CN-315F		CN-303M	10PAF - J/B → INST PANEL L/R
27C	BR	AVS51.25sa	CN-316F		CN-309M	10PAF - J/B → LH SIDE
27D	BR	AVS51.25sa	CN-317F		CN-4F	10PAF - J/B → CONTROLLER (ENGINE CLUTCH)
28A	WB	AVS51.25sa	CN-336F	DOUBLE SPLICE	CN-309M	E/G STOP RELAY → LH SIDE
28B	WB	AVS51.25sa			F-1	E/G STOP RELAY → SAFETY RELAY
30A	WP	AVS51.25sa	CN-318F		F-3	10PAF - J/B → SAFETY RELAY
30B	WP	AVS51.25sa	CN-319F		CN-336F	10PAF - J/B → DIODE
30C	WP	AVS51.25sa	CN-320F		CN-309M	10PAF - J/B → LH SIDE
31	R	AVS2sa	CN-332F		CN-310M	FUSE BOX → LH SIDE
32	Y	AVS5sa	CN-332F		CN-310M	FUSE BOX → LH SIDE
33	YV	AVSS0. 75sa	P-9		CN-332F	12V BACK UP → TURNNER
34A	WG	AVSS0. 75sa	CN-339F		CN-332F	J/C - GRAY 1 → TURNNER
34B	WG	AVSS0. 75sa	CN-339F		P-10	J/C - GRAY 1 → 12V
34C	WG	AVSS0. 75sa	CN-339F		F-4	J/C - GRAY 1 → 12V POWER SOURCE SOCKET
36	W	AVS3sa	CN-336F		CN-335F	E/G STOP RELAY → LH SIDE
37	RW	AVS3sa	CN-336F		CN-335F	E/G STOP RELAY → LH SIDE
41	V	AVSS0. 75sa	CN-6F		CN-311M	CONTROLLER (KPSS) → LH SIDE
42A	P	AVSS0. 75sa	CN-334F		CN-6F	J/C - GRAY 2 → CONTROLLER (KPSS)
42B	P	AVSS0. 75sa	CN-334F		CN-312M	J/C - GRAY 2 → INST PANEL L/R
42C	P	AVSS0. 75sa	CN-334F		CN-302M	J/C - GRAY 2 → INST PANEL L/R
43	B	AVSS0. 75sa	CN-6F		CN-329F	CONTROLLER (KPSS) → CONNECT WITH
44	OB	AVSS0. 75sa	CN-6F		CN-326F	CONTROLLER (KPSS) → FOR CHECK
45A	OL	AVSS0. 75sa	CN-318F		CN-6F	10PAF - J/B → CONTROLLER (KPSS)
45B	OL	AVSS0. 75sa	CN-319F		CN-6F	10PAF - J/B → CONTROLLER (ENGINE CLUTCH)
45C	OL	AVSS0. 75sa	CN-320F		CN-302M	10PAF - J/B → INST PANEL L/R
47A	GW	AVSS0. 75sa	CN-7F		CN-303M	CONTROLLER (KPSS) → INST PANEL L/R
48	GO	AVSS0. 75sa	CN-7F		CN-303M	CONTROLLER (KPSS) → INST PANEL L/R
48A	GB	AVSS0. 75sa	CN-7F		CN-303M	CONTROLLER (KPSS) → INST PANEL L/R
50	WR	AVSS0. 75sa	CN-7F		CN-303M	CONTROLLER (KPSS) → INST PANEL L/R
51	R	MVVS0.75sa	CN-6F		CN-311M	CONTROLLER (KPSS) → LH SIDE
52	W		CN-6F		CN-311M	CONTROLLER (KPSS) → LH SIDE
SH1	Gr		CN-6F		CN-311M	CONTROLLER (KPSS) → LH SIDE
55	BO	AVSS0. 75sa	CN-6F		CN-303M	CONTROLLER (KPSS) → INST PANEL L/R
56A	LO	AVSS0. 75sa	CN-314F		CN-6F	10PAF - J/B → CONTROLLER (KPSS)
56B	LO	AVSS0. 75sa	CN-315F		CN-303M	10PAF - J/B → INST PANEL L/R
56C	LO	AVSS0. 75sa	CN-316F		CN-337F	10PAF - J/B → DIODE
57A	LB	AVSS0. 75sa	CN-314F		CN-1F	10PAF - J/B → FLASHER UNIT
57B	LB	AVSS0. 75sa	CN-315F		CN-6F	10PAF - J/B → CONTROLLER (KPSS)
57C	LB	AVSS0. 75sa	CN-316F		CN-309M	10PAF - J/B → LH SIDE
61	G	MVVS0.75sa	CN-7F		CN-311M	CONTROLLER (KPSS) → LH SIDE
62	B		CN-7F		CN-311M	CONTROLLER (KPSS) → LH SIDE
63	R		CN-7F		CN-311M	CONTROLLER (KPSS) → LH SIDE
64	W		CN-7F		CN-311M	CONTROLLER (KPSS) → LH SIDE
SH2	Gr		CN-324F		CN-311M	10PAF - GND → LH SIDE
65A	VG	AVSS0. 75sa	CN-341F		CN-326F	J/C-ORANGE → FOR CHECK
65B	VG	AVSS0. 75sa	CN-341F		CN-6F	J/C-ORANGE → CONTROLLER (KPSS)
65C	VG	AVSS0. 75sa	CN-341F		CN-4F	J/C-ORANGE → CONTROLLER (ENGINE CLUTCH)
66	PL	AVSS0. 75sa	CN-7F		CN-3F	CONTROLLER (KPSS) → CONTROLLER (ENGINE CLUTCH)

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