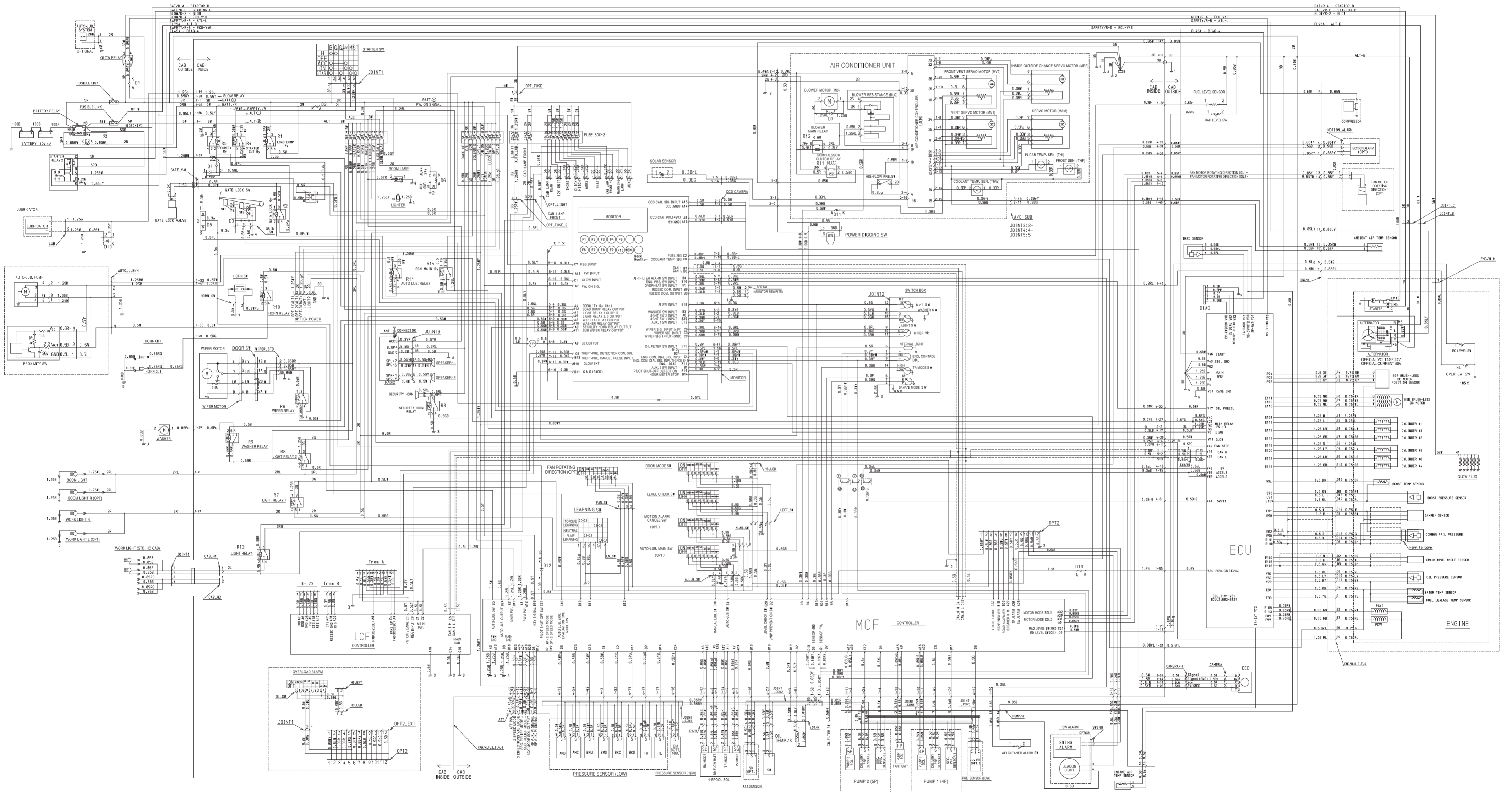
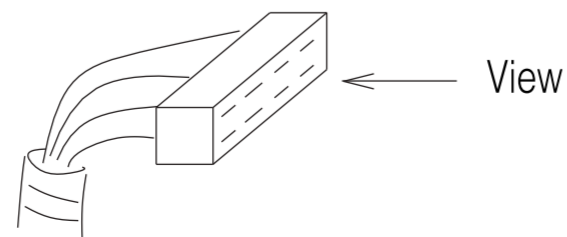
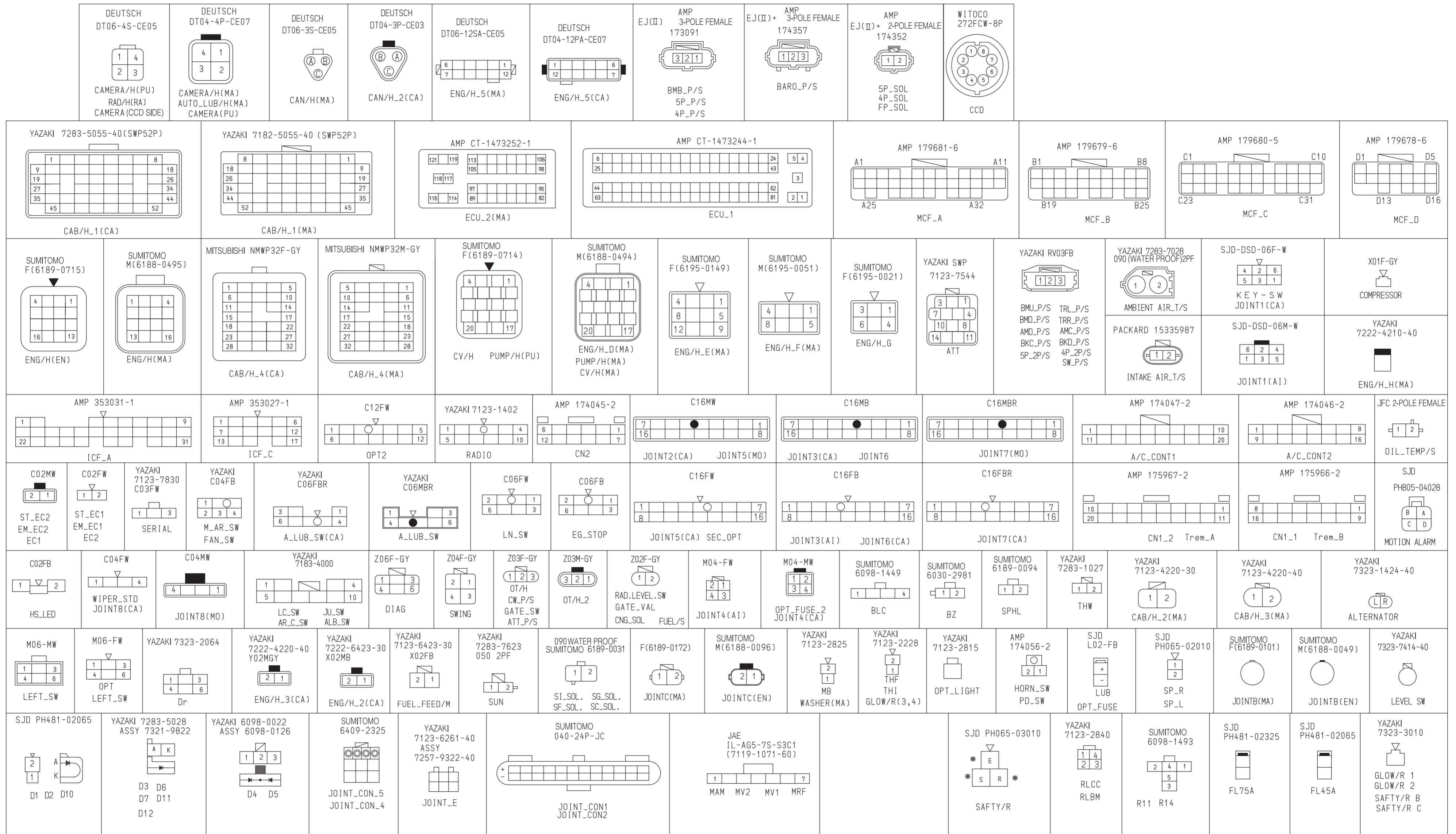


ZAXIS450-3/500LC-3/520LCH-3 ELECTRICAL CIRCUIT DIAGRAM



ZAXIS450-3/500LC-3/520LCH-3 CONNECTORS

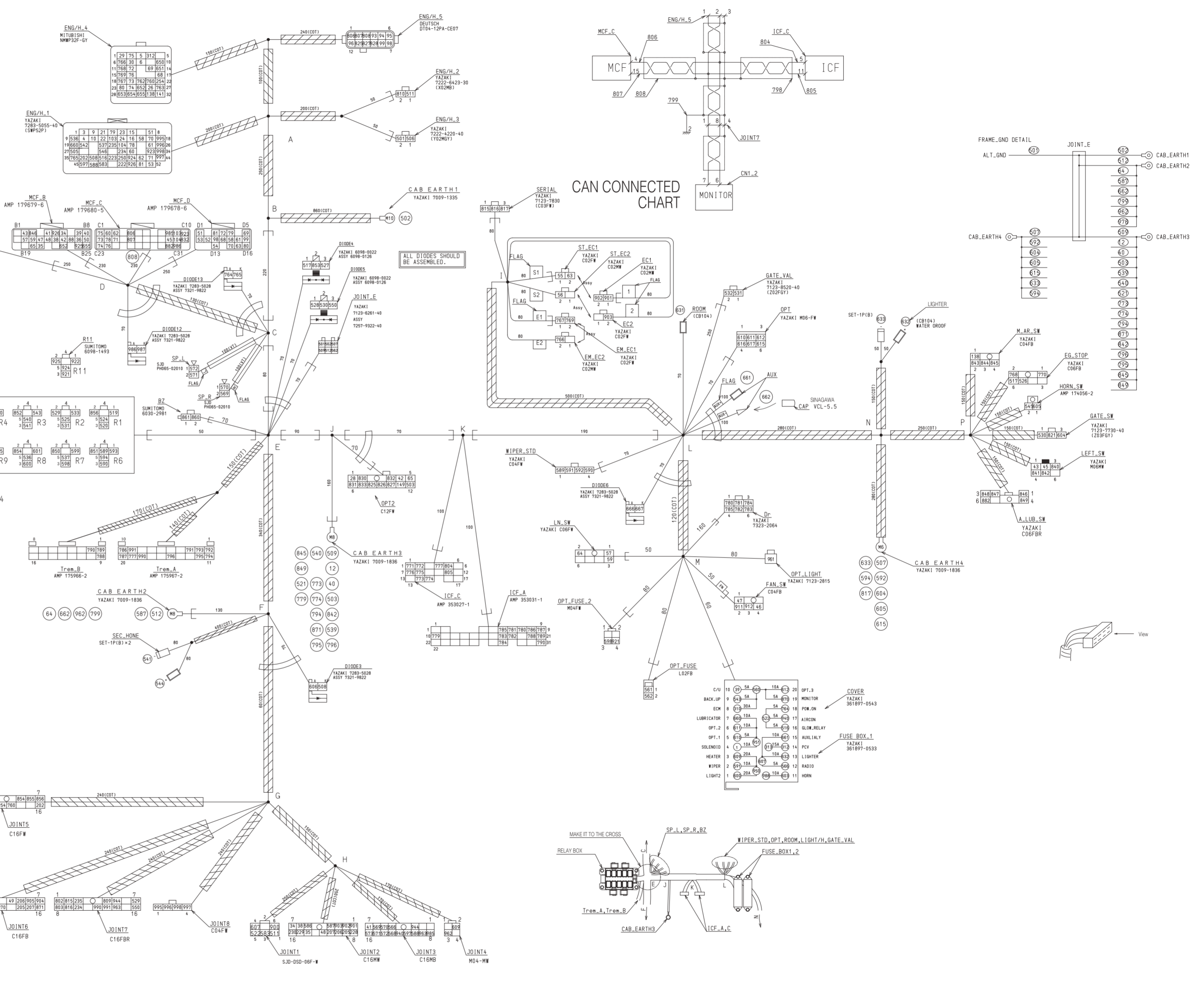


MA : MAIN HARNESS SIDE
 EN : ENGINE HARNESS SIDE
 CV : CONTROL VALVE HARNESS SIDE
 CA : CAB HARNESS SIDE
 MO : MONITOR HARNESS SIDE
 AI : AIR CONDITIONER HARNESS SIDE
 PU : PUMP HARNESS SIDE

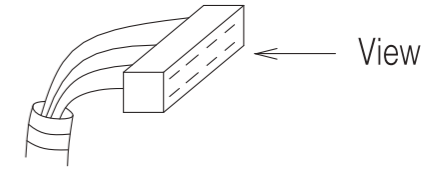
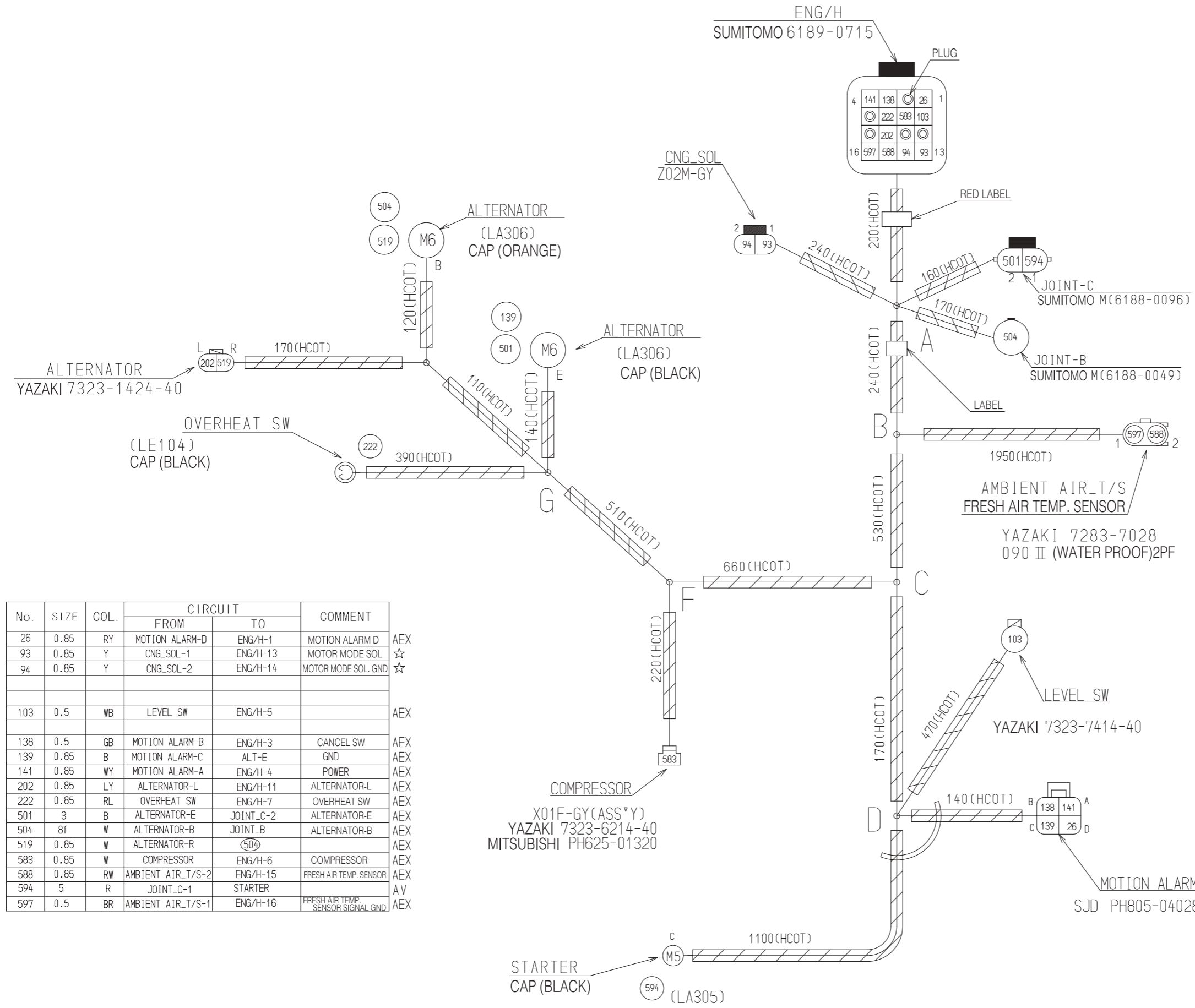
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 CAB HARNESS

No.	SIZE	COL.	CIRCUIT	FROM	TO	COMMENT
560	3	R	FUSE-B1-10	(C11)	ALTDIAG	
561	5	M	OPT-FUSE-1	(C25)	OPT.FLIGHT	
562	3	B	OPT-FUSE-2	(C26)	OPT.FLIGHT	
566	0.5	YR	JOINT3-4	FUSE-B1-12	WASHER SW	
568	0.3	RL	JOINT3-13	(C43)	WASHER SW	
569	0.5	BY	JOINT3-5	SP-R-1	WASHER SW	
570	0.5	M	JOINT3-5	SP-L-2	WASHER SW	
571	0.5	BY	JOINT3-15	SP-L-2	WASHER SW	
572	0.5	BY	JOINT3-14	SP-L-2	WASHER SW	
573	0.5	B	JOINT3-16	(C61)	WASHER SW	
583	0.85	R	JOINT3-3	RLCC	WASHER SW	
586	0.5	R	JOINT3-5	(C57)	WASHER SW	
587	0.5	B	JOINT3-4	CAB.EARTH2	WASHER SW	
588	0.3	BY	ENG/H-4	WIPER STD-1	WASHER SW	
589	0.85	B	WIPER STD-1	R6-4	WASHER SW	
590	0.85	BY	WIPER STD-4	R6-3	WASHER SW	
591	0.85	BY	WIPER STD-2	FUSE-B1-2	WASHER SW	
592	0.85	B	WIPER STD-3	CAB.EARTH4	WASHER SW	
593	0.5	BR	R6-1	(C62)	WASHER SW	
594	0.5	BR	R6-5	CAB.EARTH4	WASHER SW	
595	0.5	BR	R6-1	(C61)	WASHER SW	
596	0.5	BR	R6-5	(C62)	WASHER SW	
597	0.3	BS	ENG/H-4-5	JOINT3-11	WASHER SW	
598	3	G	PT-3	OPT.FUSE-2-3	WASHER SW	
599	1.25	G	PT-1	(C63)	WASHER SW	
600	3	G	R8-3	FUSE-B1-1	WASHER SW	
601	1.25	G	R8-1	(C64)	WASHER SW	
602	0.5	M	R10-1	(C65)	WASHER SW	
603	0.5	M	R10-3	FUSE-B1-11	WASHER SW	
604	0.5	M	GATE SW-3	CAB.EARTH4	WASHER SW	
605	0.5	B	HORN SW-1	CAB.EARTH4	WASHER SW	
606	2	L	R10-4	(C62)	WASHER SW	
607	3	B	JOINT3-4	FUSE-B1-12	WASHER SW	
608	2	CB	JOINT3-2	FUSE-B1-3	WASHER SW	
609	2	CB	JOINT3-2	FUSE-B1-3	WASHER SW	
610	1.25	M	PT-1	FUSE-B1-3	WASHER SW	
611	2	R	OPT-2	FUSE-B1-6	WASHER SW	
612	1.25	LWR	OPT-3	FUSE-B1-6	WASHER SW	
615	3	R	OPT-6	CAB.EARTH4	WASHER SW	
616	2	R	OPT-4	(C67)	WASHER SW	
617	2	RL	OPT-5	(C68)	WASHER SW	
631	0.5	YR	(C69)	ROOM LIGHT POWER		
632	1.25	LV	PT-4	(C70)	ROOM LIGHT POWER	
633	1.25	G	PT-5	(C71)	ROOM LIGHT POWER	
650	0.5	P	MCF-A-26	ENG/H-4-10	ROOM LIGHT POWER	
651	0.5	P	MCF-A-18	ENG/H-4-10	ROOM LIGHT POWER	
652	0.5	P	MCF-B-23	ENG/H-4-25	ROOM LIGHT POWER	
653	1.25	M	(C72)	ENG/H-4-28	ROOM LIGHT POWER	
654	0.5	L	MCF-A-18	ENG/H-4-30	ROOM LIGHT POWER	
655	0.5	P	MCF-B-25	ENG/H-4-30	ROOM LIGHT POWER	
660	1.25	O	ENG/H-19	FUSE-B1-13	ROOM LIGHT POWER	
661	2	B	AUX	FUSE-B1-13	ROOM LIGHT POWER	
662	2	B	AUX	CAB.EARTH2	ROOM LIGHT POWER	
663	2	B	(C66)	DS-K	ROOM LIGHT POWER	
667	3	L	ENG/H-21	JOINT3-13	ROOM LIGHT POWER	
668	0.3	BY	ENG/H-20	ENG/H-20	ROOM LIGHT POWER	
669	0.5	YR	ENG/H-4-27	R14-1	ROOM LIGHT POWER	
674	0.5	Y	PT-13	FUSE-B1-18	ROOM LIGHT POWER	
675	0.5	Y	PT-14	FUSE-B1-18	ROOM LIGHT POWER	
676	0.5	BY	ENG/H-4-6	EM-EC2-2	ROOM LIGHT POWER	
677	0.5	BY	ENG/H-4-12	EM-EC2-1	ROOM LIGHT POWER	
681	0.5	M	ENG/H-11	EG.STOP-2	ROOM LIGHT POWER	
682	3	CB	ENG/H-15	EM-EC1-2	ROOM LIGHT POWER	
670	0.5	L	ICF-C-1	(C73)	ROOM LIGHT POWER	
772	0.5	L	ICF-C-2	(C74)	ROOM LIGHT POWER	
773	0.5	L	ICF-C-3	(C75)	ROOM LIGHT POWER	
774	0.5	B	ICF-C-15	CAB.EARTH3	ROOM LIGHT POWER	
775	0.5	L	ICF-C-6	(C76)	ROOM LIGHT POWER	
776	0.5	L	ICF-C-7	(C77)	ROOM LIGHT POWER	
777	0.5	R	ICF-C-4	Tram.A-19	ROOM LIGHT POWER	
779	0.5	L	ICF-C-8	CAB.EARTH3	ROOM LIGHT POWER	
780	0.3	R	ICF-A-7	DP-1	ROOM LIGHT POWER	
781	0.3	R	ICF-A-8	DP-2	ROOM LIGHT POWER	
782	0.3	G	ICF-A-18	DP-5	ROOM LIGHT POWER	
783	0.3	BS	ICF-A-17	DP-6	ROOM LIGHT POWER	
784	0.3	BY	ICF-A-16	DP-7	ROOM LIGHT POWER	
785	0.3	BY	ICF-A-5	DP-4	ROOM LIGHT POWER	
786	0.3	BY	ICF-A-8	Tram.A-10	ROOM LIGHT POWER	
787	0.3	BY	ICF-A-10	Tram.A-20	ROOM LIGHT POWER	
788	0.3	G	ICF-A-20	Tram.B-9	ROOM LIGHT POWER	
789	0.3	Y	ICF-A-21	Tram.B-11	ROOM LIGHT POWER	
790	0.3	G	ICF-A-31	Tram.B-2	ROOM LIGHT POWER	
791	0.5	Y	Tram.A-3	(C78)	ROOM LIGHT POWER	
792	0.5	Y	Tram.A-5	(C79)	ROOM LIGHT POWER	
793	0.5	L	Tram.A-2	(C80)	ROOM LIGHT POWER	
794	0.5	B	Tram.A-11	CAB.EARTH3	ROOM LIGHT POWER	
795	0.5	B	Tram.A-12	CAB.EARTH3	ROOM LIGHT POWER	
796	0.5	B	Tram.A-15	CAB.EARTH3	ROOM LIGHT POWER	
798	0.5	B	(C81)	ICF-C	ROOM LIGHT POWER	
799	0.5	B	CAB.EARTH2	OUTER-OF-STEEL	ROOM LIGHT POWER	
802	0.5	G	(C82)	JOINT1-7	ROOM LIGHT POWER	
803	0.5	L	ICF-C-5	(C83)	ROOM LIGHT POWER	
805	0.5	L	ICF-C-11	(C84)	ROOM LIGHT POWER	
806	0.5	L	MCF-C-4	ENG/H-4-1	ROOM LIGHT POWER	
807	0.5	L	MCF-C-15	ENG/H-4-2	ROOM LIGHT POWER	
808	0.5	L	MCF-C-8	ENG/H-4-3	ROOM LIGHT POWER	
809	0.5	L	(C85)	JOINT1-4	ROOM LIGHT POWER	
810	3	L	ENG/H-2-2	R14-5	ROOM LIGHT POWER	
815	0.5	R	JOINT3-2	SEC.HOME	ROOM LIGHT POWER	
816	0.5	R	JOINT3-9	SEC.HOME	ROOM LIGHT POWER	
817	0.5	B	SERIAL-3	CAB.EARTH4	ROOM LIGHT POWER	
821	0.5	R	GATE SW-3	JOINT3-9	ROOM LIGHT POWER	
824	0.5	Y	JOINT3-11	(C86)	ROOM LIGHT POWER	
825	0.5	LB	ENG/H-11	OPT12-4	ROOM LIGHT POWER	
826	0.5	G	(C87)	OPT12-9	ROOM LIGHT POWER	
827	0.5	BS	ENG/H-5-10	OPT12-10	ROOM LIGHT POWER	
828	0.5	BS	ENG/H-5-9	(C88)	ROOM LIGHT POWER	
830	0.5	L	(C89)	OPT2-2	ROOM LIGHT POWER	
831	0.5	PM	MCF-A-7	OPT2-8	ROOM LIGHT POWER	
832	0.3	GR	MCF-C-22	OPT2-3	ROOM LIGHT POWER	
833	0.5	RY	(C90)	OPT2-7	ROOM LIGHT POWER	
840	0.5	G	(C91)	LEFT SW-3	ROOM LIGHT POWER	
841	0.5	BS	(C92)	LEFT SW-4	ROOM LIGHT POWER	
842	0.5	B	CAB.EARTH3	LEFT SW-5	ROOM LIGHT POWER	
843	0.5	G	(C93)	M.A.R.SW-2	ROOM LIGHT POWER	
844	0.5	BS	(C94)	M.A.R.SW-3	ROOM LIGHT POWER	
845	0.5	R	CAB.EARTH3	M.A.R.SW-4	ROOM LIGHT POWER	
846	0.5	YR	MCF-B-3	A.LUB.SW-1	ROOM LIGHT POWER	
847	0.5	G	(C95)	A.LUB.SW-2	ROOM LIGHT POWER	
848	0.5	BS	(C96)	A.LUB.SW-3	ROOM LIGHT POWER	
849	0.5	B	CAB.EARTH3	A.LUB.SW-4	ROOM LIGHT POWER	
850	0.5	G	JOINT3-1	RT-2	ROOM LIGHT POWER	
851	0.5	G	JOINT3-2	RT-2	ROOM LIGHT POWER	
852	0.5	BS	JOINT3-3	RT-2	ROOM LIGHT POWER	
853	0.5	BS	JOINT3-4	RT-2	ROOM LIGHT POWER	
854	0.5	BS	JOINT3-5	RT-2	ROOM LIGHT POWER	
855	0.5	B	JOINT3-6	RT-2	ROOM LIGHT POWER	
856	0.5	B	JOINT3-7	RT-2	ROOM LIGHT POWER	
860	0.5	M	JOINT3-8	RT-2	ROOM LIGHT POWER	
861	0.5	LB	RT-1	(C97)	ROOM LIGHT POWER	
870	0.5	LB	JOINT3-12	FUSE-B1-19	ROOM LIGHT POWER	
871	0.5	B	CAB.EARTH3	MONITOR GND	ROOM LIGHT POWER	
882	0.5	L	MCF-C-30	A.LUB.SW-6	ROOM LIGHT POWER	
900	1.25	M	JOINT1-6	R4-1	ROOM LIGHT POWER	
901	0.3	BY	JOINT3-7	EC2-2	ROOM LIGHT POWER	
902	0.3	BY	JOINT3-2	EC2-2	ROOM LIGHT POWER	
903	0.3	BY	JOINT3-3	EC2-2	ROOM LIGHT POWER	
904	0.3	BY	JOINT3-7	EC2-2	ROOM LIGHT POWER	
905	0.3	BY	JOINT3-4	EC2-2	ROOM LIGHT POWER	
910	1.25	WR	R4-3	(C98)	ROOM LIGHT POWER	
911	0.5	G	(C99)	FAN SW-2	ROOM LIGHT POWER	
912	0.5	BS	(C100)	FAN SW-3	ROOM LIGHT POWER	
921	1.25	R	OPT.FUSE-2-4	R11-3	ROOM LIGHT POWER	
922	0.5	R	(C101)	R11-1	ROOM LIGHT POWER	
923	0.5	R	MCF-C-18	ENG/H-1-33	ROOM LIGHT POWER	
924	1.25	G	R11-5	(C102)	ROOM LIGHT POWER	
925	0.5	G	R11-2	MCF-B-24	ROOM LIGHT POWER	
926	0.5	G	ENG/H-1-5	MCF-B-5	ROOM LIGHT POWER	
940	0.5	WG	JOINT3-12	FUSE-B1-19	ROOM LIGHT POWER	

No.	SIZE	COL.	CIRCUIT	FROM	TO	COMMENT
941	0.3	BY	JOINT3-3	JOINT3-5	S2L SENSOR SIGNAL	
950	3	M	(C92)	FUSE-B1-4	(C92)	
951	3	M	(C93)	FUSE-B1-4	(C93)	
961	0.5	RL	(C94)	OPT.FLIGHT	(C94)	
962	2	B	JOINT3-4	CAB.EARTH2	(C95)	
963	0.3	BS	JOINT3-14	JOINT3-9	S2L SENSOR POWER	
965	0.3	BY	MCF-C-8	JOINT3-8	R3M RELAY SIGNAL	
966	0.3	R	MCF-C-31	DT-A	GATE LOCK SW	
967	0.3	O	DT-A	(C96)	GATE LOCK SW	
968	0.5	R	(C97)	FUSE-B1-11	(C97)	
969	0.5	YR	JOINT3-12	Tram.A-8	GATE LOCK SW	
991	0.5	BS	JOINT3-13	Tram.A-9	GATE LOCK SW	
992	0.5	LR	JOINT3-1	ENG/H-1-18	(C98)	
996	0.5	YR	JOINT3-2	ENG/H-1-26	(C99)	
997	0.5	B	JOINT3-4	ENG/H-1-44	(C100)	
998	0.5	M	JOINT3-5	ENG/H-1-34	(C101)	
999	0.5	GW	(C95)	JOINT3-8	(C102)	



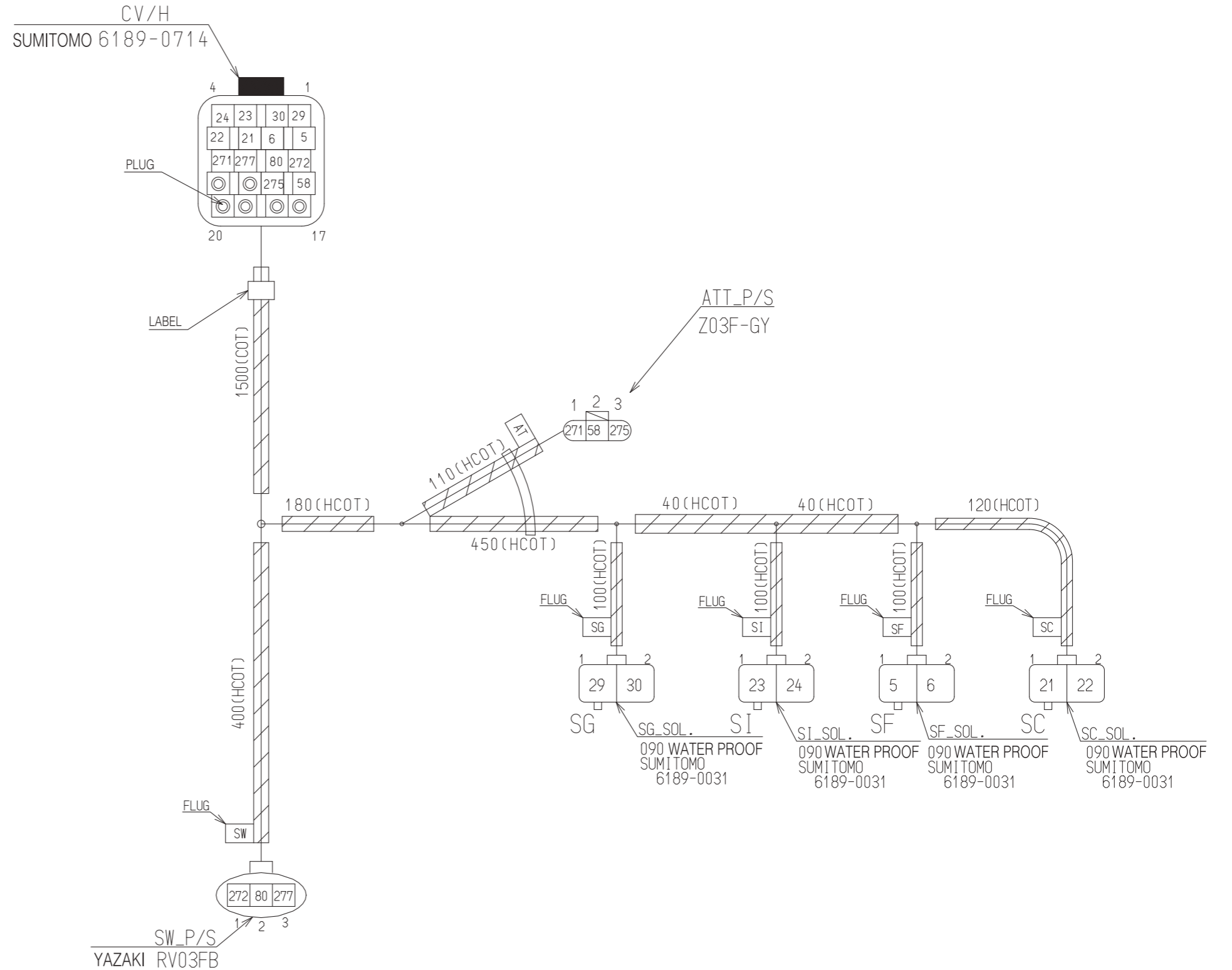
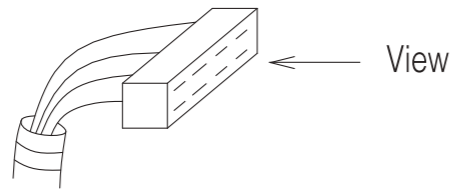
ZAXIS450-3/500LC-3/520LCH-3 ENGINE HARNESS



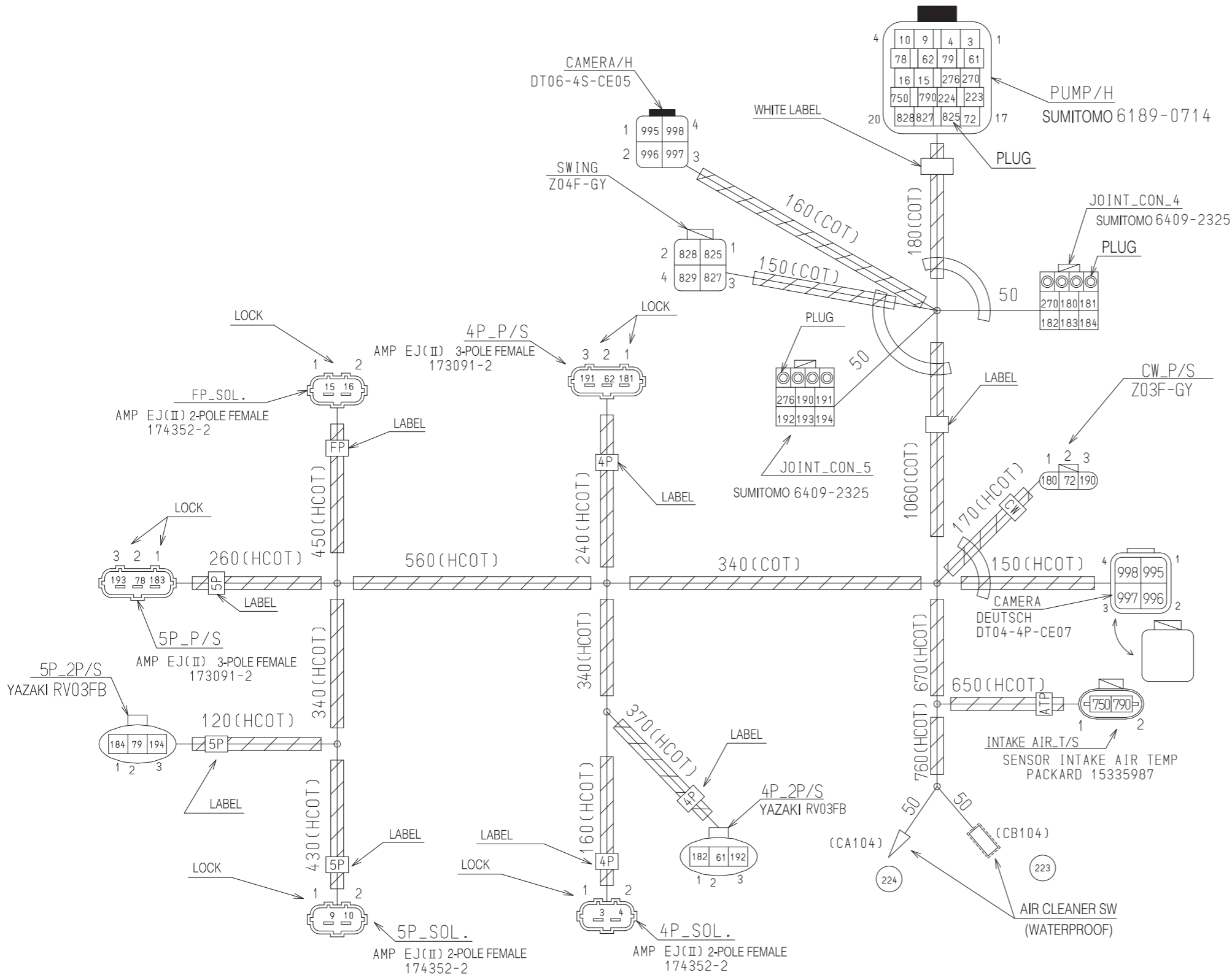
No.	SIZE	COL.	CIRCUIT		COMMENT	
			FROM	TO		
26	0.85	RY	MOTION ALARM-D	ENG/H-1	MOTION ALARM D	AEX
93	0.85	Y	CNG_SOL-1	ENG/H-13	MOTOR MODE SOL	☆
94	0.85	Y	CNG_SOL-2	ENG/H-14	MOTOR MODE SOL. GND	☆
103	0.5	WB	LEVEL SW	ENG/H-5		AEX
138	0.5	GB	MOTION ALARM-B	ENG/H-3	CANCEL SW	AEX
139	0.85	B	MOTION ALARM-C	ALT-E	GND	AEX
141	0.85	WY	MOTION ALARM-A	ENG/H-4	POWER	AEX
202	0.85	LY	ALTERNATOR-L	ENG/H-11	ALTERNATOR-L	AEX
222	0.85	RL	OVERHEAT SW	ENG/H-7	OVERHEAT SW	AEX
501	3	B	ALTERNATOR-E	JOINT_C-2	ALTERNATOR-E	AEX
504	8f	W	ALTERNATOR-B	JOINT_B	ALTERNATOR-B	AEX
519	0.85	W	ALTERNATOR-R	(504)		AEX
583	0.85	W	COMPRESSOR	ENG/H-6	COMPRESSOR	AEX
588	0.85	RW	AMBIENT AIR_T/S-2	ENG/H-15	FRESH AIR TEMP. SENSOR	AEX
594	5	R	JOINT_C-1	STARTER		AV
597	0.5	BR	AMBIENT AIR_T/S-1	ENG/H-16	FRESH AIR TEMP. SENSOR SIGNAL GND	AEX

ZAXIS450-3/500LC-3/520LCH-3 CONTROL VALVE HARNESS

No.	SIZE	COL.	CIRCUIT		COMMENT	
			FROM	TO		
5	0.85	L	SF_SOL-1	CV/H-5	METER-IN CUT_SOL.	☆
6	0.85	L	SF_SOL-2	CV/H-6		☆
21	0.85	G	SC_SOL-1	CV/H-7	PREVENTION_SOL.	☆
22	0.85	G	SC_SOL-2	CV/H-8		☆
23	0.85	W	SI_SOL-1	CV/H-3	TRAVEL MODE_SOL.	☆
24	0.85	W	SI_SOL-2	CV/H-4		☆
29	0.85	Y	SG_SOL-1	CV/H-1	POWER DIGGING_SOL.	☆
30	0.85	Y	SG_SOL-2	CV/H-2		☆
58	0.5	Br	ATT_P/S-2	CV/H-13	ATT/S SIGNAL	☆
80	0.5	W	SW_P/S-2	CV/H-10	SW/S SIGNAL	☆
271	0.5	R	ATT_P/S-1	CV/H-12	ATT/S SIGNAL	☆
272	0.5	R	SW_P/S-1	CV/H-9	SW/S SIGNAL	☆
275	0.5	B	ATT_P/S-3	CV/H-14	ATT/S GND	☆
277	0.5	B	SW_P/S-3	CV/H-11	SW/S GND	☆

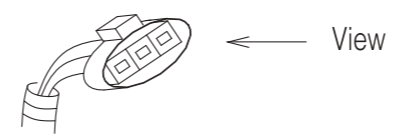


ZAXIS450-3/500LC-3/520LCH-3 PUMP HARNESS

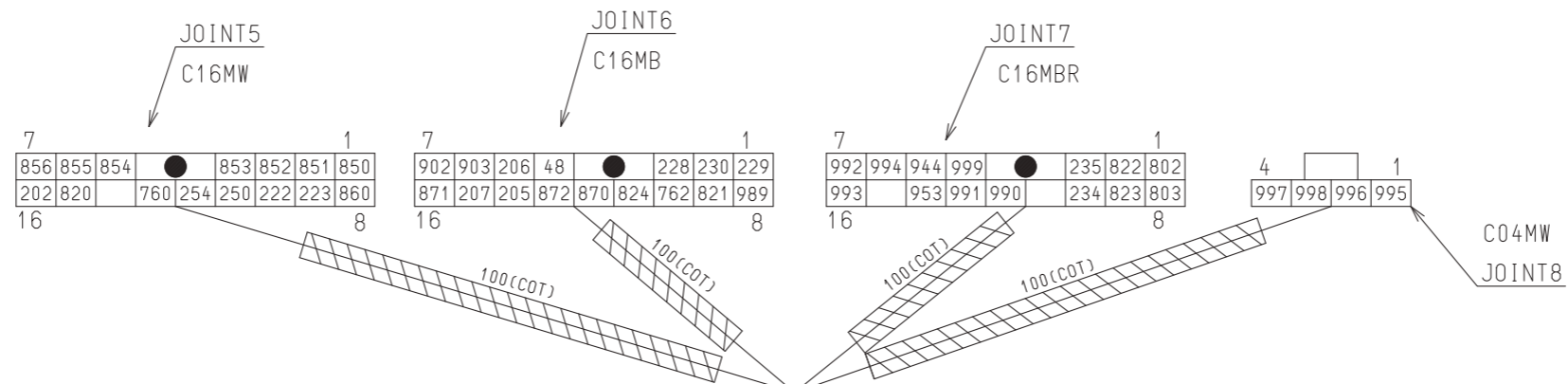


No.	SIZE	COL.	CIRCUIT		COMMENT	
			FROM	TO		
3	0.85	W	4P_SOL-1	PUMP/H-1	PUMP1_SOL.	☆
4	0.85	W	4P_SOL-2	PUMP/H-2		☆
9	0.85	G	5P_SOL-1	PUMP/H-3	PUMP2_SOL.	☆
10	0.85	G	5P_SOL-2	PUMP/H-4		☆
15	0.85	Y	FP_SOL-1	PUMP/H-11	FUN PUMP_SOL.	☆
16	0.85	Y	FP_SOL-2	PUMP/H-12		☆
61	0.5	Gr	4P_2P/S-2	PUMP/H-5	4P P / S SIGNAL	☆
62	0.5	L	4P_P/S-2	PUMP/H-7	4P P / S SIGNAL	☆
72	0.5	Br	C_W/S-2	PUMP/H-17	CW / S SIGNAL	☆
78	0.5	O	5P_P/S-2	PUMP/H-8	5P P / S SIGNAL	☆
79	0.5	Y	5P_2P/S-2	PUMP/H-6	5P SEC. SIGNAL	☆
180	0.5	R	JOINT_CON4	CW_P/S-1	SENSOR POWER	☆
181	0.5	R	JOINT_CON4	4P_P/S-1	SENSOR POWER	☆
182	0.5	R	JOINT_CON4	4P_2P/S-1	SENSOR POWER	☆
183	0.5	R	JOINT_CON4	5P_P/S-1	SENSOR POWER	☆
184	0.5	R	JOINT_CON4	5P_2P/S-1	SENSOR POWER	☆
190	0.5	B	JOINT_CON5	CW_P/S-3	SENSOR GND	☆
191	0.5	B	JOINT_CON5	4P_P/S-3	SENSOR GND	☆
192	0.5	B	JOINT_CON5	4P_2P/S-3	SENSOR GND	☆
193	0.5	B	JOINT_CON5	5P_P/S-3	SENSOR GND	☆
194	0.5	B	JOINT_CON5	5P_2P/S-3	SENSOR GND	☆
223	0.85	G	AIR CLEANER SW-1	PUMP/H-13	AIR FILTER SW	☆
224	0.85	B	AIR CLEANER SW-2	PUMP/H-14	AIR FILTER SW GND	☆
270	0.85	RY	JOINT_CON4	PUMP/H-9	SENSOR POW. COM.	AVS
276	0.85	BY	JOINT_CON5	PUMP/H-10	SENSOR GND. COM.	AVS
750	0.5	Gr	INTAKE AIR_T/S-1	PUMP/H-16	SUCTION AIR SEN.SIG.	☆
790	0.5	B	INTAKE AIR_T/S-2	PUMP/H-15	SUCTION AIR SEN.SIG.GND	☆
995	0.5	R	CAMERA/H-1	CAMERA-1	CAMERA POWER	☆
996	0.5	B	CAMERA/H-2	CAMERA-2	CAMERA GND	☆
997	0.5	B	CAMERA/H-3	CAMERA-3	GND	OUTER OF SHIELD) AVSSCS
998	0.5	W	CAMERA/H-4	CAMERA-4	AV SIGNAL	INNER OF SHIELD) AVSSCS

No.	SIZE	COL.	CIRCUIT		COMMENT	
			FROM	TO		
825	0.5	W	SWING-1	PUMP/H-18	OPT2-8	☆
827	0.5	L	SWING-3	PUMP/H-19	OPT2-10	☆
828	0.5	O	SWING-2	PUMP/H-20	SW ALARM	☆
829	0.5	B	SWING-4	(224)		☆



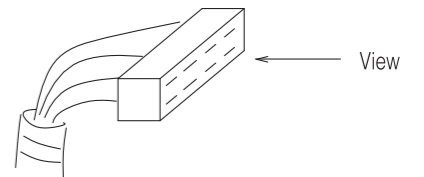
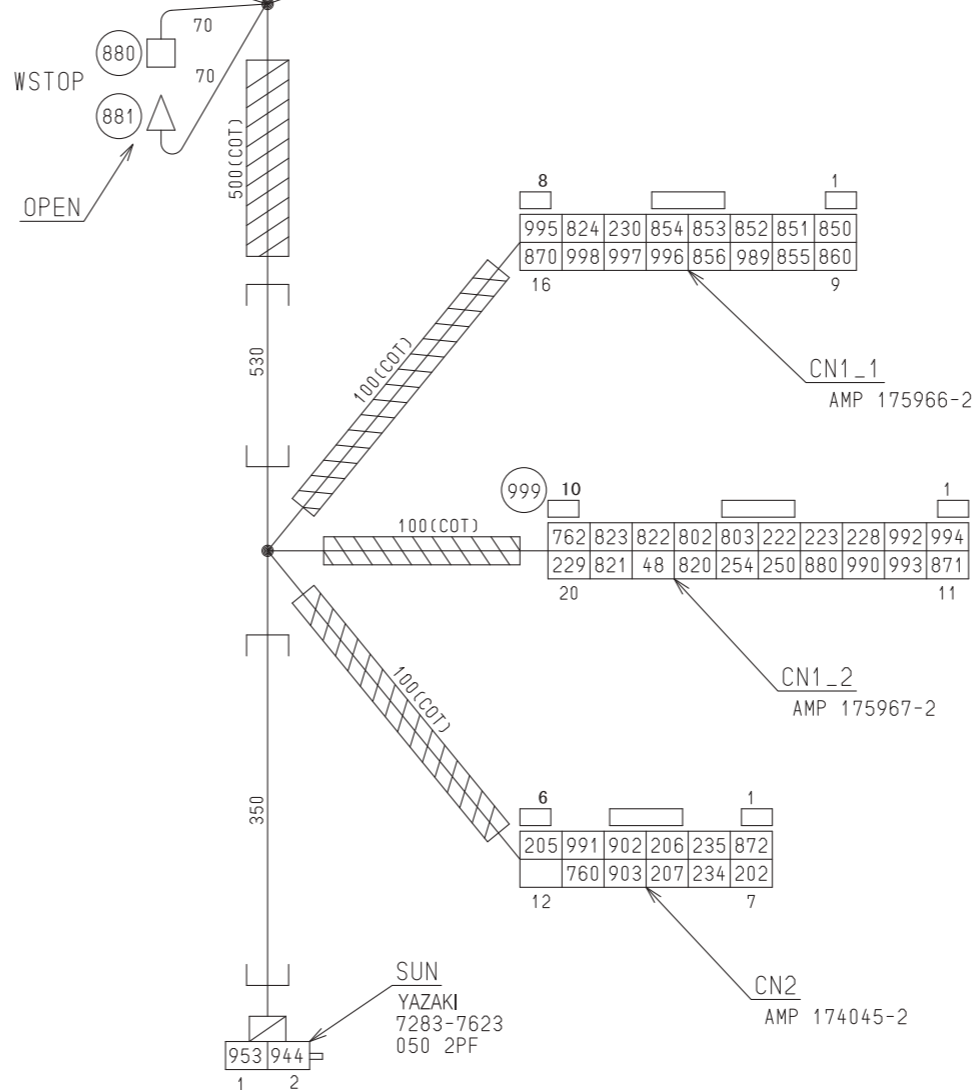
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 MONITOR HARNESS



No.	SIZE	COL.	CIRCUIT		COMMENT
			FROM	TO	
48	0.3	G	CN1_2-18	JOINT6-4	A/i SW
202	0.3	LY	CN2-7	JOINT5-16	REG INPUT
205	0.3	RL	CN2-6	JOINT6-14	WIPER POWER
206	0.3	RB	CN2-3	JOINT6-5	WIPER SIGNAL
207	0.5	BW	CN2-9	JOINT6-15	WIPER GND
222	0.3	RL	CN1_2-5	JOINT5-10	OVERHEAT SW
223	0.3	GL	CN1_2-4	JOINT5-9	AIR FILTER SW
228	0.3	YG	CN1_2-3	JOINT6-3	WASHER SW
229	0.3	GW	CN1_2-20	JOINT6-1	LIGHT SW1
230	0.3	LB	CN1_1-6	JOINT6-2	LIGHT SW2
234	0.3	BrL	CN2-8	JOINT7-10	COOLANT TEMP. SENSOR SIGNAL
235	0.3	Br	CN2-2	JOINT7-3	FUEL LEVEL SENSOR SIGNAL
250	0.3	P	CN1_2-15	JOINT5-11	HYDRAULIC OIL FILTER
254	0.3	WR	CN1_2-16	JOINT5-12	ENG. OIL PRESSURE SW
760	0.3	LB	CN2-11	JOINT5-13	ENG. FAILURE SW
761					
762	0.3	RW	CN1_2-10	JOINT6-10	GLOW EXT
802	0.5	G	CN1_2-7	JOINT7-1	CAN_H
803	0.5	L	CN1_2-6	JOINT7-8	CAN_L
820	0.3	GY	CN1_2-17	JOINT5-15	AUXILIARY MODE SW
821	0.3	R	CN1_2-19	JOINT6-9	GATE LOCK SENSOR SW
822	0.3	LB	CN1_2-8	JOINT7-2	SERIAL TX
823	0.3	OB	CN1_2-9	JOINT7-9	SERIAL RX
824	0.3	Y	CN1_1-7	JOINT6-11	POWER ON SIGNAL
850	0.3	G	CN1_1-1	JOINT5-1	LIGHT RELAY 1 OUTPUT
851	0.3	GW	CN1_1-2	JOINT5-2	WIPER CONTROL OUTPUT
852	0.3	GB	CN1_1-3	JOINT5-3	SECURITY HORN OUTPUT
853	0.3	GL	CN1_1-4	JOINT5-4	SECURITY RELAY OUTPUT
854	0.3	R	CN1_1-5	JOINT5-5	LIGHT RELAY 2 OUTPUT
855	0.3	B	CN1_1-10	JOINT5-6	WASHER RELAY OUTPUT
856	0.3	O	CN1_1-12	JOINT5-7	LOAD DUMP RELAY OUTPUT
860	0.3	W	CN1_1-9	JOINT5-8	BUZZER OUTPUT
870	0.3	LB	CN1_1-16	JOINT6-12	BACKUP POWER
871	0.3	B	CN1_2-11	JOINT6-16	GND
872	0.3	GL	CN2-1	JOINT6-13	GLOW INPUT
880	0.5	YL	CN1_2-14	WSTOP	WSTOP
881	0.5	B	WSTOP	(871)	WSTOP
902	0.3	BrW	CN2-4	JOINT6-7	EC DIAL SIGNAL
903	0.3	WY	CN2-10	JOINT6-6	EC DIAL GND
944	0.3	BrL	SUN-2	JOINT7-5	SOLAR SENSOR SIGNAL
953	0.3	BG	SUN-1	JOINT7-14	SOLAR SENSOR POWER
990	0.3	YR	CN1_2-13	JOINT7-12	THEFT-PREVENTION SIGNAL INPUT
991	0.3	GB	CN2-5	JOINT7-13	THEFT-PREVENTION
992	0.5	PuW	CN1_2-2	JOINT7-7	PILOT SHUT-OFF OUTPUT IN
993	0.5	PL	CN1_2-12	JOINT7-16	PILOT SHUT-OFF OUTPUT OUT
994	0.3	GR	CN1_2-1	JOINT7-6	
995	0.5	LR	CN1_1-8	JOINT8-1	CCD POWER (9V)
996	0.3	YR	CN1_1-13	JOINT8-2	9V_GND
997	0.5	B	CN1_1-14	JOINT8-4	CCD_GND
998	0.5	W	CN1_1-15	JOINT8-3	VIDEO INPUT
999	0.5	B	JOINT7-4	CN1_2	SHIELD

AVSSCS 803 TWIST
AVSSCS 802 TWIST

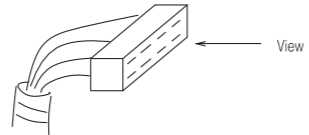
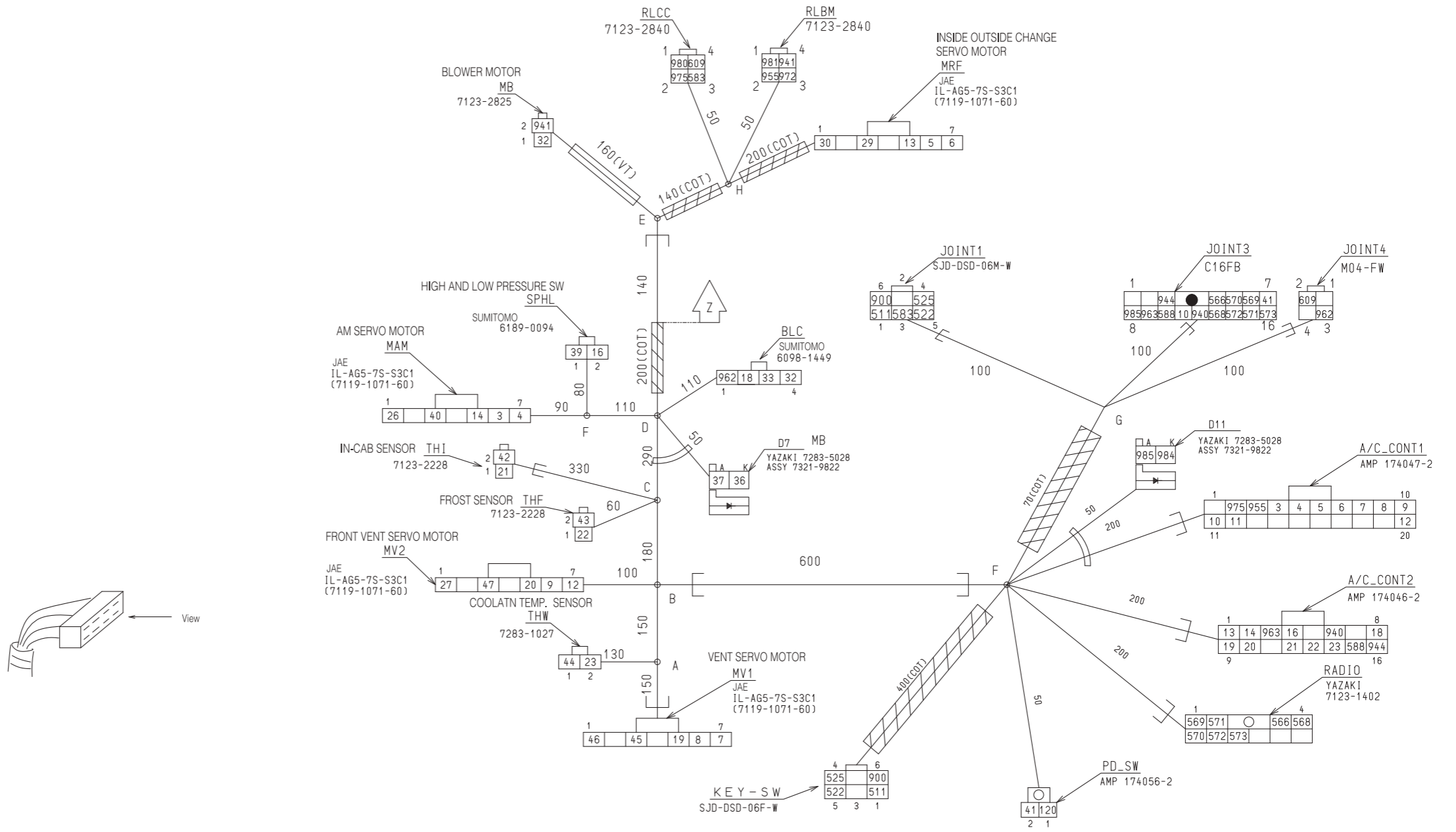
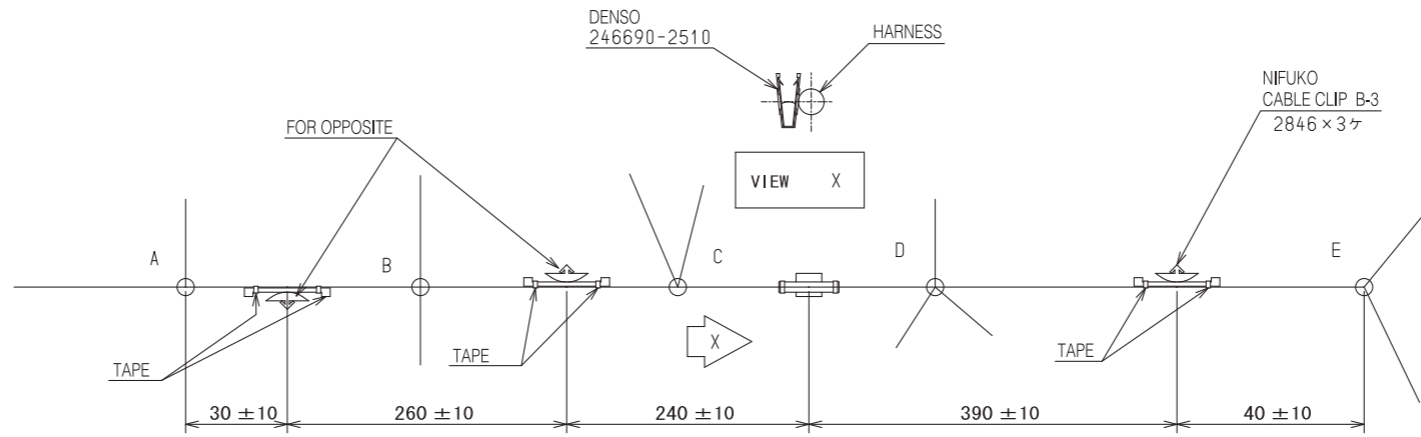
APEXSP-1A OUTER
APEXSP-1A INNER
AVSSCS OUTER



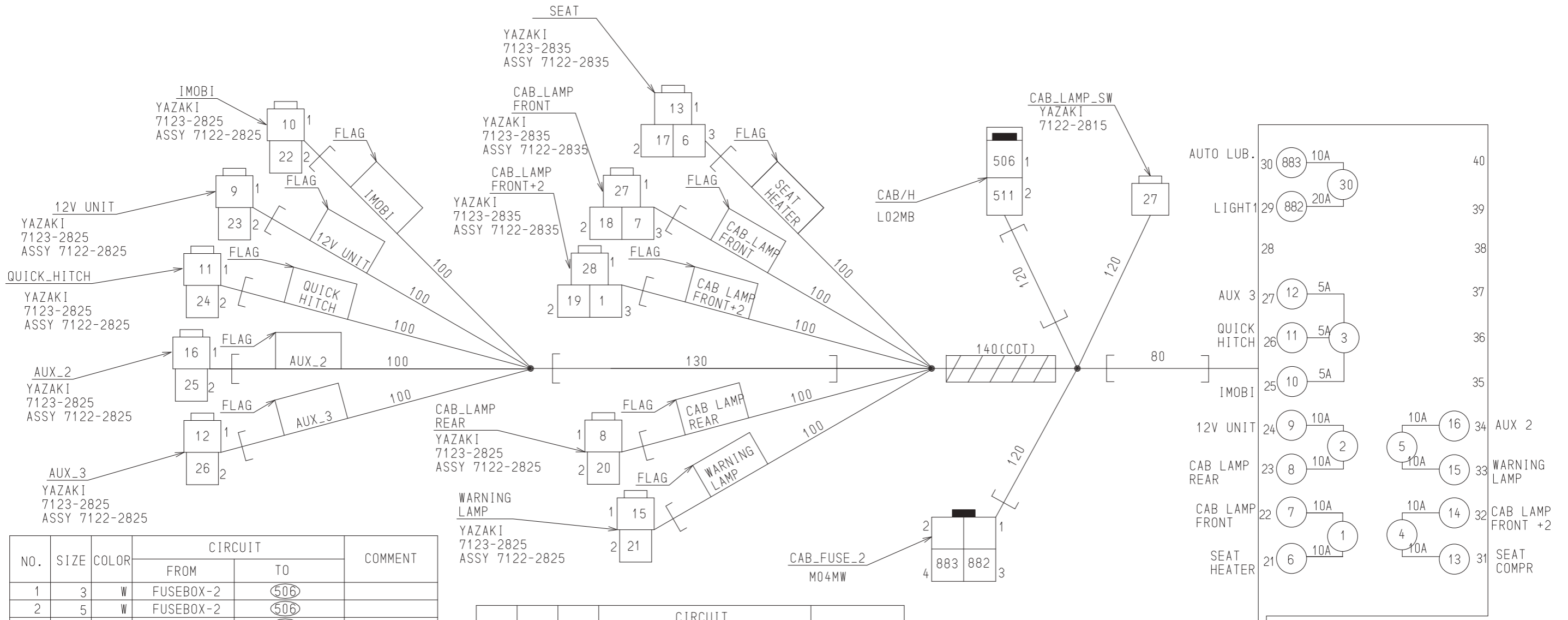
No.	SIZE	COL.	CIRCUIT		COMMENT
			FROM	TO	
989	0.5	W	CN1_1-11	JOINT6-8	SUB WIPER RELAY OUTPUT

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 AIR CONDITIONER HARNESS

No.	SIZE	COL.	CIRCUIT		COMMENT
			FROM	TO	
3	0.5	PJ	A/C_CONT1-4	MAM-6	
4	0.3	P	A/C_CONT1-5	MAM-7	
5	0.3	YB	A/C_CONT1-6	MRF-6	
6	0.3	WPU	A/C_CONT1-7	MRF-7	
7	0.3	WY	A/C_CONT1-8	MV1-7	
8	0.3	WR	A/C_CONT1-9	MV1-6	
9	0.3	L	A/C_CONT1-10	MV2-6	
10	0.3	BG	A/C_CONT1-11	JOINT3-11	SENSOR GND
11	0.3	B	A/C_CONT1-12	(962)	
12	0.3	GR	A/C_CONT1-20	MV2-7	
13	0.3	WL	A/C_CONT2-1	MRF-5	
14	0.3	BG	A/C_CONT2-2	MAM-5	
16	0.3	Lq	A/C_CONT2-4	SPHL-2	
18	0.5	RL	A/C_CONT2-8	BLC-2	
19	0.3	BrW	A/C_CONT2-9	MV1-5	
20	0.3	o	A/C_CONT2-10	MV2-5	
21	0.3	GW	A/C_CONT2-12	TH1-1	
22	0.3	P	A/C_CONT2-13	THF-1	
23	0.3	BP	A/C_CONT2-14	THW-2	
26	0.3	BR	MAM-1	(10)	
27	0.3	BW	MV2-1	(963)	
29	0.3	BR	MRF-3	(10)	
30	0.3	BW	MRF-1	(963)	
32	2	G	MB-1	BLC-4	
33	1.25	RL	BLC-3	(941)	
36	1.25	RL	D7-K	(941)	DIODE
37	1.25	G	D7-A	(32)	DIODE
39	2	B	SPHL-1	(962)	AVSS
40	0.3	BW	MAM-3	(963)	
41	0.5	GB	PD_SW-2	JOINT3-7	POWER DIGGING SW
42	0.3	BR	TH1-2	(10)	
43	0.3	BR	THF-2	(10)	
44	0.3	BR	THW-1	(10)	
45	0.3	BW	MV1-3	(963)	
46	0.3	BR	MV1-1	(10)	
47	0.3	BR	MV2-3	(10)	
120	0.5	B	PD_SW-1	(962)	POWER DIGGING GND
511	3	R	KEY_SW-1	JOINT1-1	KEY B
522	3	LW	KEY_SW-5	JOINT1-5	KEY M
525	3	W	KEY_SW-4	JOINT1-4	KEY ACC
566	0.3	YR	RADIO-3	JOINT3-4	FUSE-12
568	0.3	RL	RADIO-4	JOINT3-13	B_UP
569	0.3	Gy	RADIO-1	JOINT3-6	SPL+
570	0.3	W	RADIO-5	JOINT3-5	SPL-
571	0.5	GyB	RADIO-2	JOINT3-15	SPR+
572	0.3	WR	RADIO-6	JOINT3-14	SPR-
573	0.3	B	RADIO-7	JOINT3-16	GND
588	0.3	BrY	A/C_CONT2-15	JOINT3-10	FRESH AIR TEMP. SENSOR
900	1.25	WR	KEY_SW-6	JOINT1-6	KEY ST
940	0.3	WG	A/C_CONT2-6	JOINT3-12	FUSE-17
941	2	RL	RLBM-4	MB-2	
944	0.3	BrL	A/C_CONT2-16	JOINT3-3	SOLAR SENSOR
962	2	B	JOINT4-3	BLC-1	GND
963	0.3	BG	A/C_CONT2-3	JOINT3-9	SOLAR SENSOR POWER
975	0.5	BR	A/C_CONT1-2	RLCC-2	RLCC-2
955	0.3	LY	A/C_CONT1-3	RLBM-2	RLBM-2
583	0.85	W	RLCC-3	JOINT1-3	
609	2	RB	RLCC-4	JOINT4-2	
972	2	Br	RLBM-3	(609)	
980	0.5	R	RLCC-1	(941)	
981	0.5	R	RLBM-1	(941)	
984	0.5	BR	D11-K	(955)	
985	0.5	BW	D11-A	JOINT3-8	



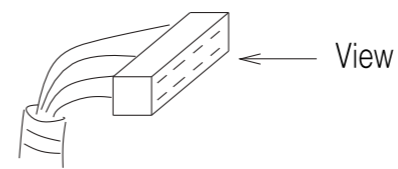
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 FUSE BOX 2 HARNESS



NO.	SIZE	COLOR	CIRCUIT		COMMENT
			FROM	TO	
1	3	W	FUSEBOX-2	506	
2	5	W	FUSEBOX-2	506	
3	3	W	FUSEBOX-2	506	
4	3	W	FUSEBOX-2	506	
5	3	W	FUSEBOX-2	506	
6	2	R	FUSEBOX-2	SEAT-3	
7	2	R	FUSEBOX-2	CAB_LAMP_FRONT-3	
8	2	R	FUSEBOX-2	CAB_LAMP_REAR-1	
9	2	R	FUSEBOX-2	12V UNIT-1	
10	1.25	R	FUSEBOX-2	IMOB-1	
11	1.25	R	FUSEBOX-2	QUICK_HITCH-1	
12	1.25	R	FUSEBOX-2	AUX_3-1	
13	2	R	FUSEBOX-2	SEAT-1	
14	2	R	FUSEBOX-2	CAB_LAMP_FRONT+2-3	
15	2	R	FUSEBOX-2	WARNING LAMP-1	
16	2	R	FUSEBOX-2	AUX_2-1	
17	2	B	SEAT-2	511	
18	2	B	CAB_LAMP_FRONT-2	511	
19	2	B	CAB_LAMP_FRONT+2-2	511	
20	2	B	CAB_LAMP_REAR-2	511	
21	2	B	WARNING LAMP-2	511	
22	1.25	B	IMOB-2	511	
23	2	B	12V UNIT-2	511	

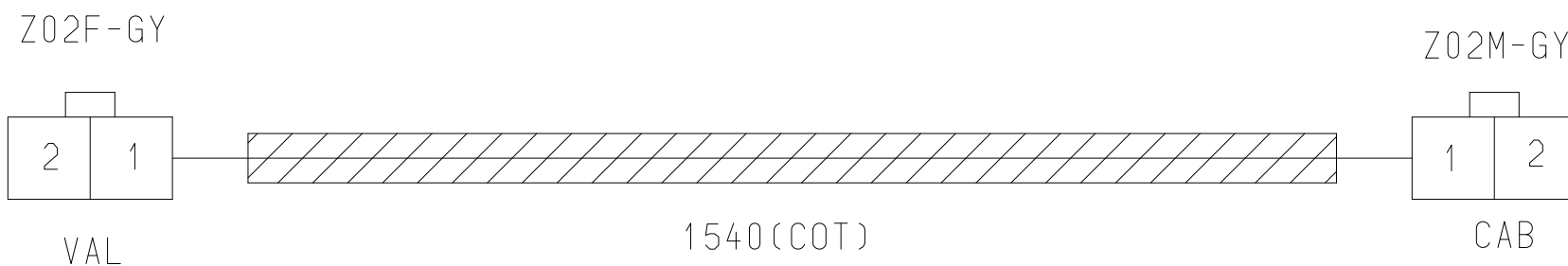
NO.	SIZE	COLOR	CIRCUIT		COMMENT
			FROM	TO	
24	1.25	B	QUICK_HITCH-2	511	
25	2	B	AUX_2-2	511	
26	1.25	B	AUX_3-2	511	
27	0.5	BY	CAB_LAMP_SW	CAB_LAMP_FRONT-1	
28	0.5	YR	27	CAB_LAMP_FRONT+2-1	
30	5	W	FUSEBOX-2	506	
506	5	W	CAB/H-1	1~5, 30	
511	3	B	CAB/H-2	17~26	
882	3	G	FUSEBOX-2	CAB_FUSE_2-3	
883	1.25	RW	FUSEBOX-2	CAB_FUSE_2-4	

FUSEBOX-2
361897-0533
YAZAKI
COVER-2 MUST BE ASSEMBLED.
361897-0543
YAZAKI

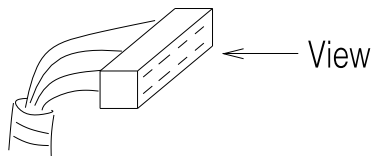


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 PILOT SHUT-OFF SOLENOID VALVE HARNESS

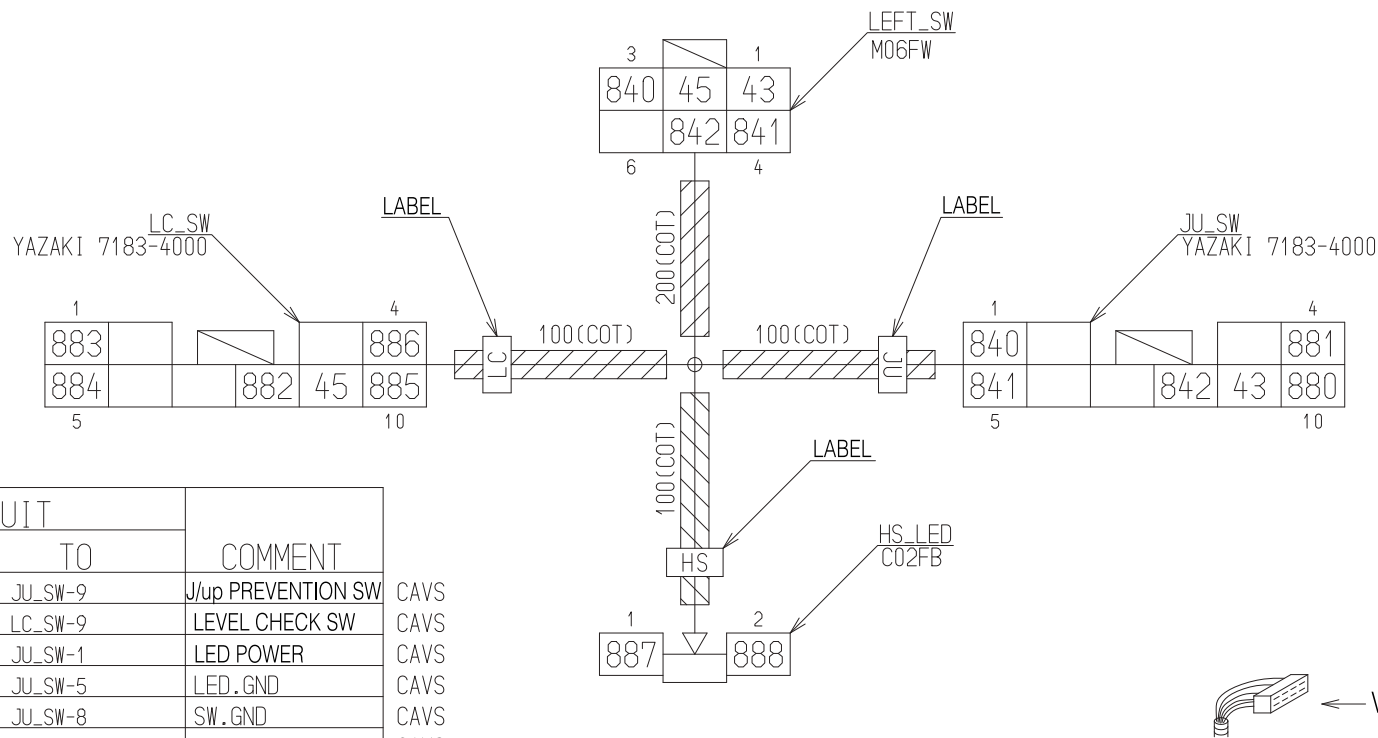


NO.	SIZE	COLOR	CIRCUIT		COMMENT
			FROM	TO	
1	0.5	B	VAL-1	CAB-1	
2	0.5	R	VAL-2	CAB-2	

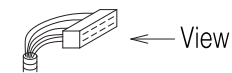


ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3

CAB SWITCH HARNESS (BOOM MODE SELECTOR SWITCH, LEVEL CHECK SWITCH, SEAT HEAT SWITCH (OPTIONAL))

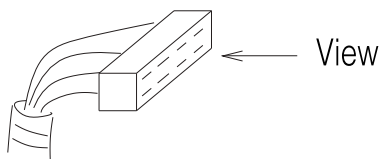
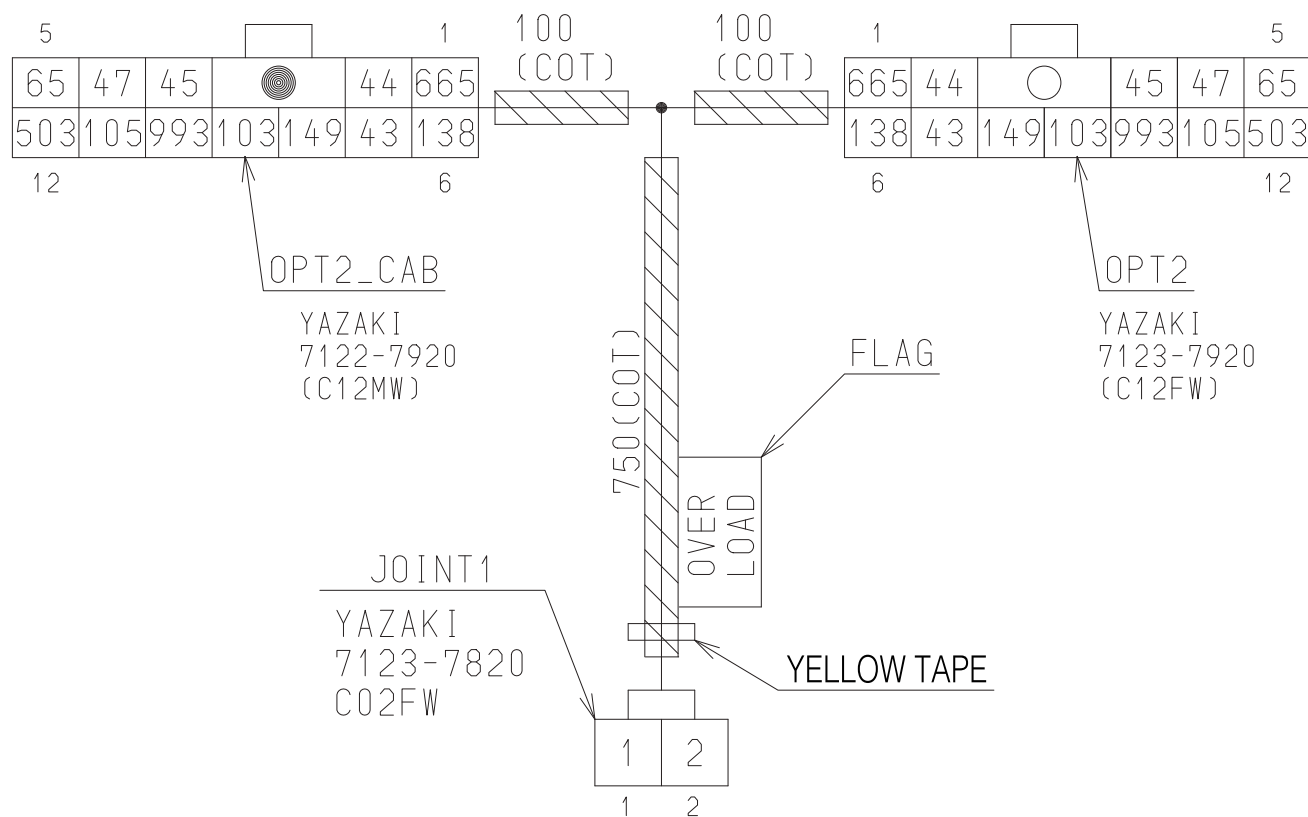


NO.	SIZE	COLOR	COROUIT		COMMENT	
			FROM	TO		
43	0.5	L	LEFT_SW-1	JU_SW-9	J/up PREVENTION SW	CAVS
45	0.5	Y	LEFT_SW-2	LC_SW-9	LEVEL CHECK SW	CAVS
840	0.5	G	LEFT_SW-3	JU_SW-1	LED POWER	CAVS
841	0.5	BG	LEFT_SW-4	JU_SW-5	LED.GND	CAVS
842	0.5	B	LEFT_SW-5	JU_SW-8	SW.GND	CAVS
880	0.5	G	(840)	JU_SW-10	LED POWER	CAVS
881	0.5	BG	(841)	JU_SW-4	LED.GND	CAVS
882	0.5	B	(842)	LC_SW-8	SW.GND	CAVS
883	0.5	G	(840)	LC_SW-1	LED POWER	CAVS
884	0.5	BG	(841)	LC_SW-5	LED.GND	CAVS
885	0.5	G	(840)	LC_SW-10	LED POWER	CAVS
886	0.5	BG	(841)	LC_SW-4	LED.GND	CAVS
887	0.5	G	(840)	HS_LED-1	LED POWER	CAVS
888	0.5	BG	(841)	HS_LED-2	LED.GND	CAVS



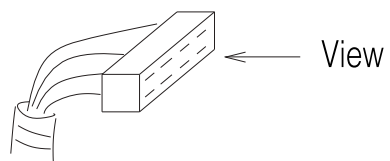
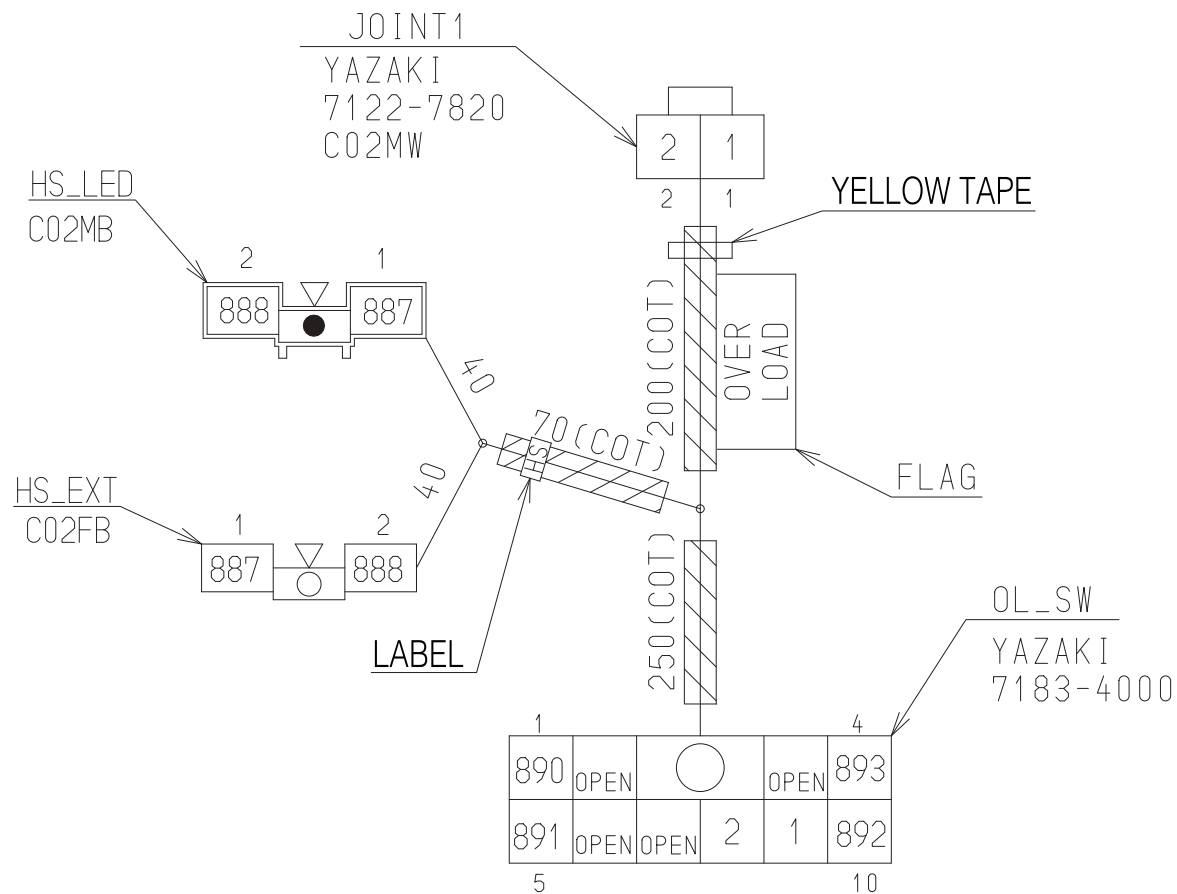
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 OVERLOAD ALARM HARNESS (OPTIONAL)

NO.	SIZE	COLOR	FROM	TO
1	0.5	WG	JOINT1-1	(65)
2	0.5	B	JOINT1-2	(503)
43	0.5	GL	OPT2_CAB-7	OPT2-7
44	0.5	Y	OPT2_CAB-2	OPT2-2
45	0.5	GW	OPT2_CAB-3	OPT2-3
47	0.5	GR	OPT2_CAB-4	OPT2-4
65	0.5	WG	OPT2_CAB-5	OPT2-5
103	0.5	L	OPT2_CAB-9	OPT2-9
105	0.5	BR	OPT2_CAB-11	OPT2-11
138	0.5	GB	OPT2_CAB-6	OPT2-6
149	0.5	LB	OPT2_CAB-8	OPT2-8
503	0.5	B	OPT2_CAB-12	OPT2-12
665	0.5	WY	OPT2_CAB-1	OPT2-1
993	0.5	GR	OPT2_CAB-10	OPT2-10



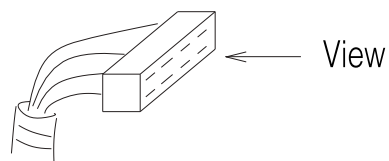
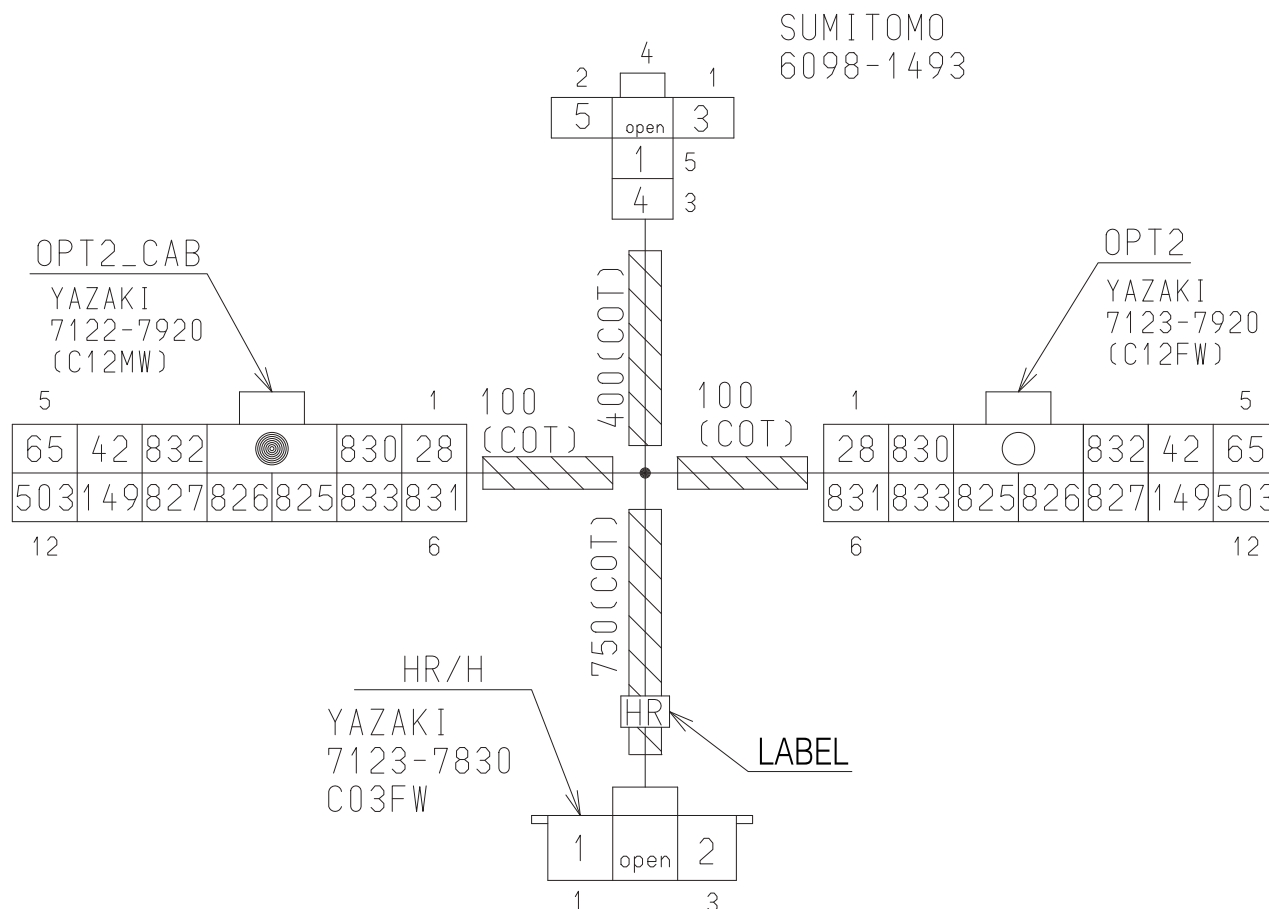
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 OVERLOAD ALARM SUB HARNESS (OPTIONAL)

NO.	SIZE	COLOR	FROM	TO	COMMENT
1	0.5	WG	JOINT1-1	OL_SW-9	OVL.SW
2	0.5	B	JOINT1-2	OL_SW-8	SW.GND
887	0.5	G	HS_EXT-1	HS_LED-1	LED POWER
888	0.5	BG	HS_EXT-2	HS_LED-2	LED.GND
890	0.5	G	⑧87	OL_SW-1	LED POWER
891	0.5	BG	⑧88	OL_SW-5	LED.GND
892	0.5	G	⑧87	OL_SW-10	LED POWER
893	0.5	BG	⑧88	OL_SW-4	LED.GND



ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 BREAKER HOUR METER HARNESS (CAB HARNESS SIDE) (OPTIONAL)

NO.	SIZE	COLOR	FROM	TO
1	0.5	R	HR/H-1	BR_R-5
2	0.5	B	HR/H-3	503
3	0.5	WY	28	BR_R-1
4	0.5	WY	28	BR_R-3
5	0.5	PW	831	BR_R-2
28	0.85	WY	OPT2_CAB-1	OPT2-1
42	0.5	GR	OPT2_CAB-4	OPT2-4
65	0.5	WG	OPT2_CAB-5	OPT2-5
149	0.5	OB	OPT2_CAB-11	OPT2-11
503	0.85	B	OPT2_CAB-12	OPT2-12
825	0.5	LR	OPT2_CAB-8	OPT2-8
826	0.5	G	OPT2_CAB-9	OPT2-9
827	0.5	RG	OPT2_CAB-10	OPT2-10
830	0.5	LW	OPT2_CAB-2	OPT2-2
831	0.5	PW	OPT2_CAB-6	OPT2-6
832	0.5	GR	OPT2_CAB-3	OPT2-3
833	0.5	RY	OPT2_CAB-7	OPT2-7

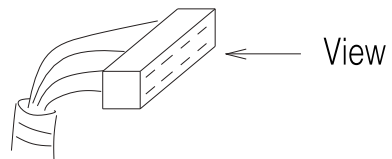


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3

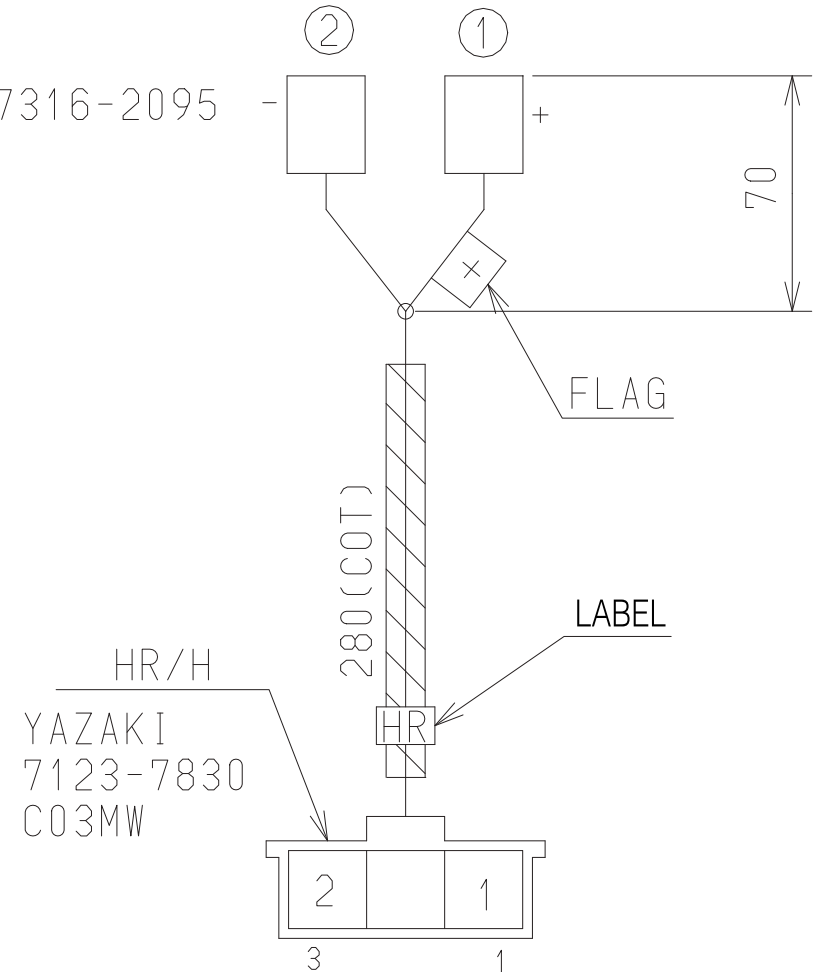
BREAKER HOUR METER HARNESS (CONSOLE SIDE) (OPTIONAL)

NO.	SIZE	COLOR	FROM	TO
1	0.5	R	HOUR METER +	HR/H-1
2	0.5	B	HOUR METER -	HR/H-3



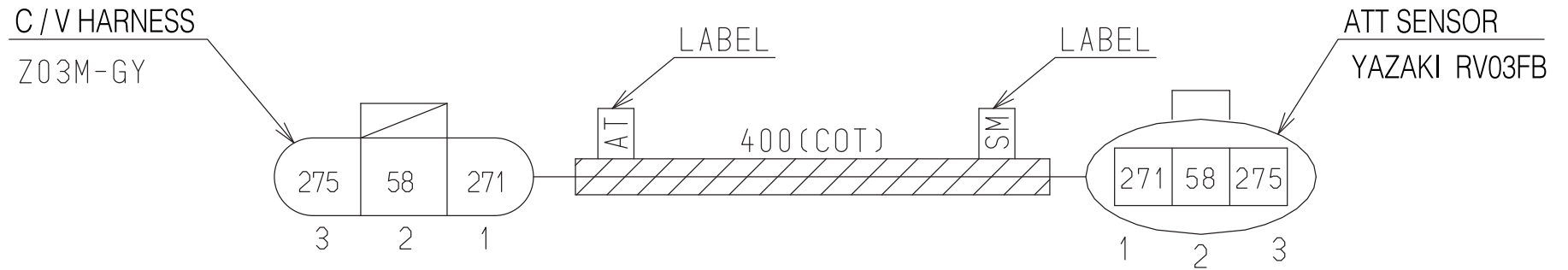
YAZAKI
ASSY

7316-2095

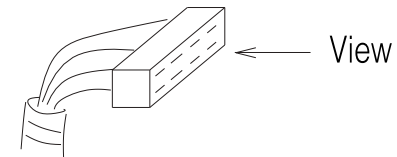


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 ATT SENSOR HARNESS (OPTIONAL)



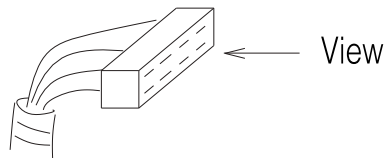
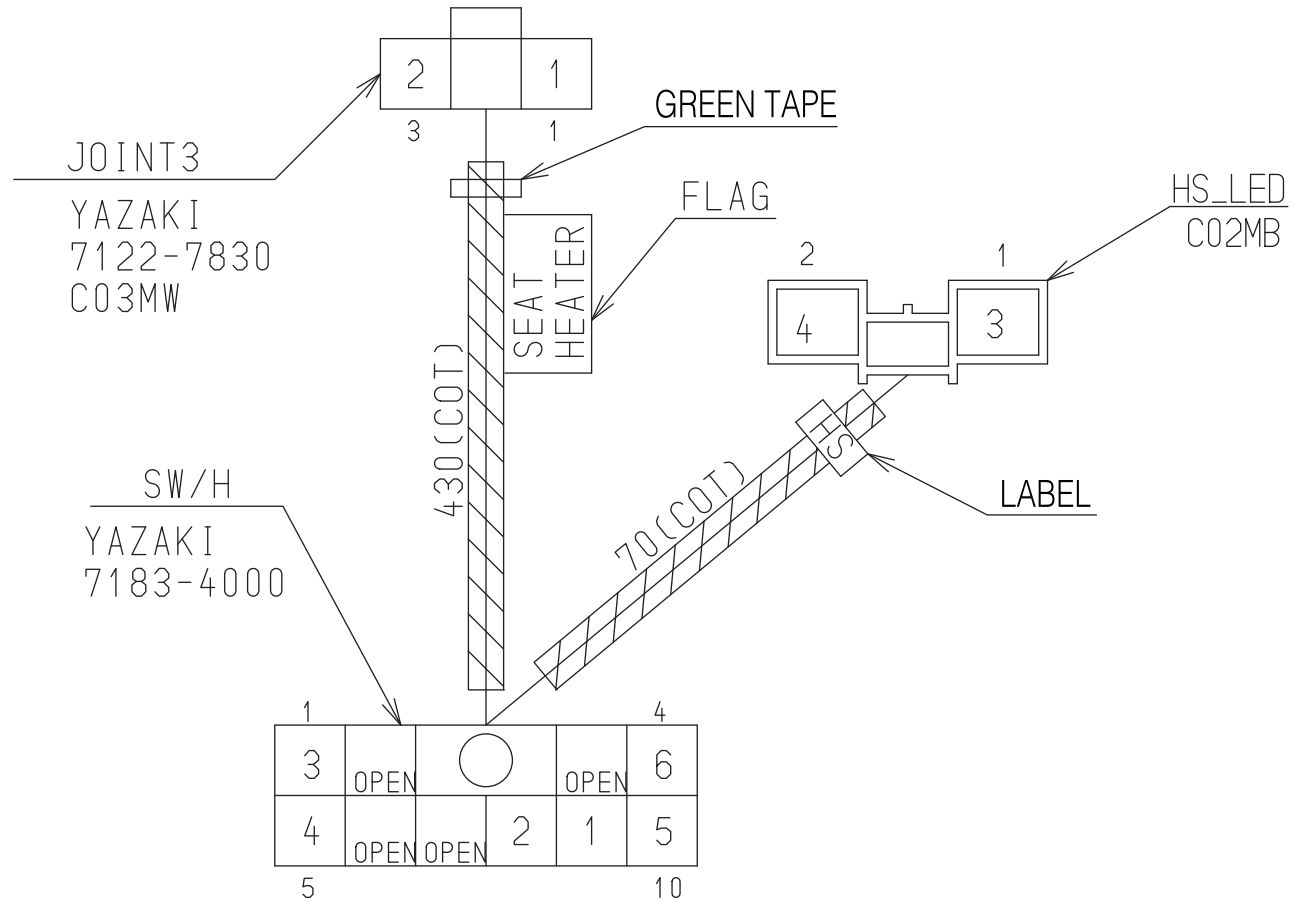
No	SIZE	COL	CIRCUIT	
			FROM	TO
58	0.5	Br	C/V HARNESS 2	ATT SENSOR 2
271	0.5	R	C/V HARNESS 1	ATT SENSOR 1
275	0.5	B	C/V HARNESS 3	ATT SENSOR 3



Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

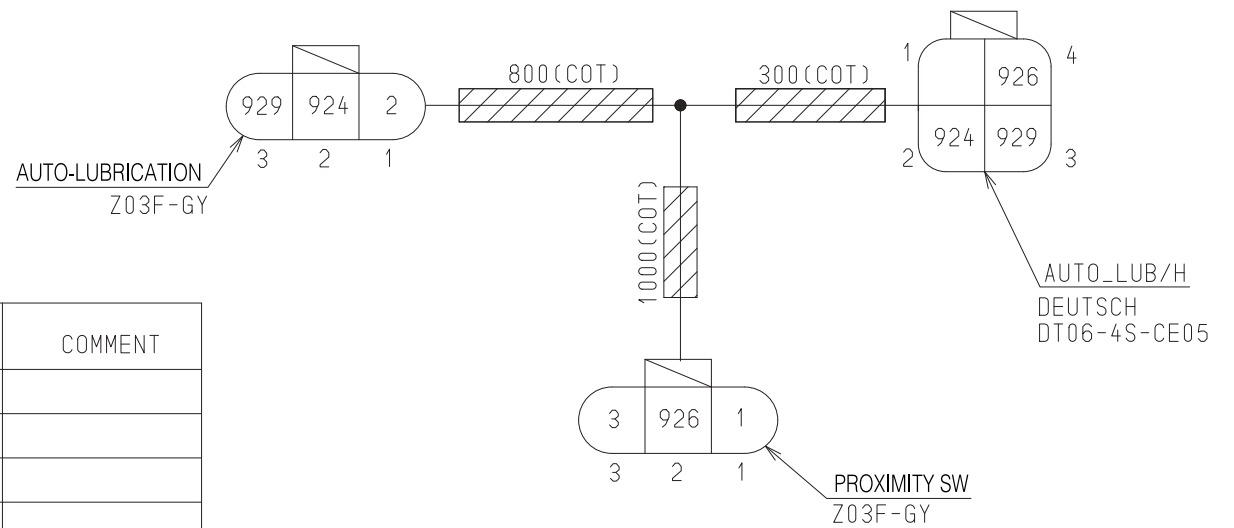
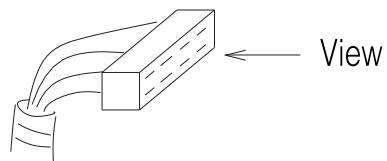
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 SEAT HEATER HARNESS (OPTIONAL)

NO.	SIZE	COLOR	FROM	TO
1	0.85	WR	JOINT3-1	SW/H-9
2	0.85	L	JOINT3-3	SW/H-8
3	0.85	RW	HS_LED-1	SW/H-1
4	0.85	BR	HS_LED-2	SW/H-5
5	0.85	RW	③	SW/H-10
6	0.85	BR	④	SW/H-4



ZAXIS450-3/500LC-3/520LCH-3

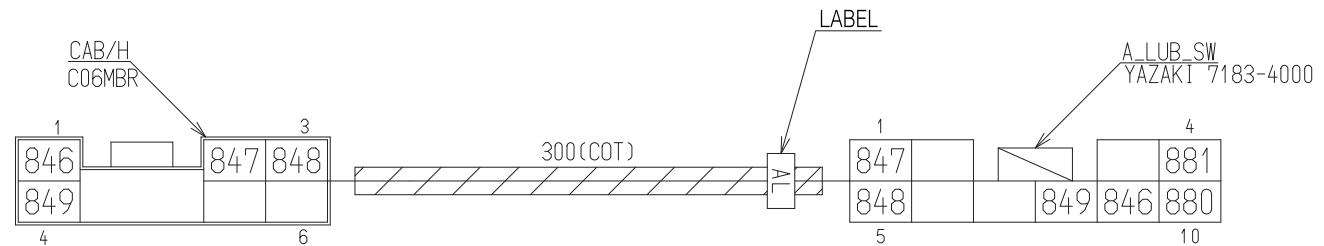
AUTO-LUBRICATION HARNESS 1 (MACHINE SIDE) (OPTIONAL)



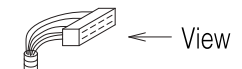
NO.	SIZE	COL.	FROM	TO	COMMENT
924	1.25	R	AUTO_LUB/H -2	AUTO-LUBRICATION -2	
926	0.5	W	AUTO_LUB/H -4	PROXIMITY SW -2	
929	1.25	B	AUTO_LUB/H -3	AUTO-LUBRICATION -3	
1	0.5	L	929	PROXIMITY SW -1	
2	1.25	B	929	AUTO-LUBRICATION -1	
3	0.5	Br	924	PROXIMITY SW -3	

Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 AUTO-LUBRICATION HARNESS 1 (CAB SWITCH HARNESS SIDE) (OPTIONAL)

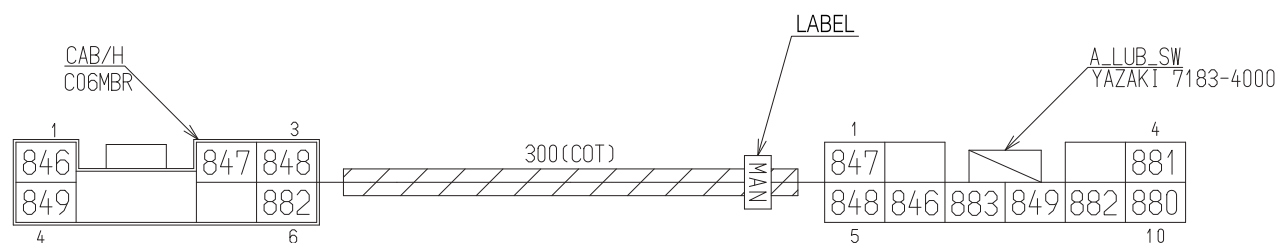


NO.	SIZE	COLOR	COROUIT		COMMENT	
			FROM	TO		
846	0.5	YR	CAB/H-1	A_LUB_SW-9	AUTO-LUBRICATION SW	CAVS
847	0.5	G	CAB/H-2	A_LUB_SW-1	LED POWER	CAVS
848	0.5	BG	CAB/H-3	A_LUB_SW-5	LED.GND	CAVS
849	0.5	B	CAB/H-4	A_LUB_SW-8	SW.GND	CAVS
880	0.5	G	(847)	A_LUB_SW-10	LED POWER	CAVS
881	0.5	BG	(848)	A_LUB_SW-4	LED.GND	CAVS

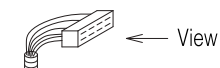


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 AUTO-LUBRICATION HARNESS 2 (CAB SWITCH HARNESS SIDE) (OPTIONAL)



NO.	SIZE	COLOR	COROUIT		COMMENT	
			FROM	TO		
846	0.5	YR	CAB/H-1	A_LUB_SW-6	AUTO SW	CAVS
847	0.5	G	CAB/H-2	A_LUB_SW-1	LED POWER	CAVS
848	0.5	BG	CAB/H-3	A_LUB_SW-5	LED.GND	CAVS
849	0.5	B	CAB/H-4	A_LUB_SW-8	SW.GND	CAVS
880	0.5	G	(847)	A_LUB_SW-10	LED POWER	CAVS
881	0.5	BG	(848)	A_LUB_SW-4	LED.GND	CAVS
882	0.5	LY	CAB/H-6	A_LUB_SW-9	MANUAL SW	CAVS
883	0.5	B	(849)	A_LUB_SW-7	SW.GND	CAVS

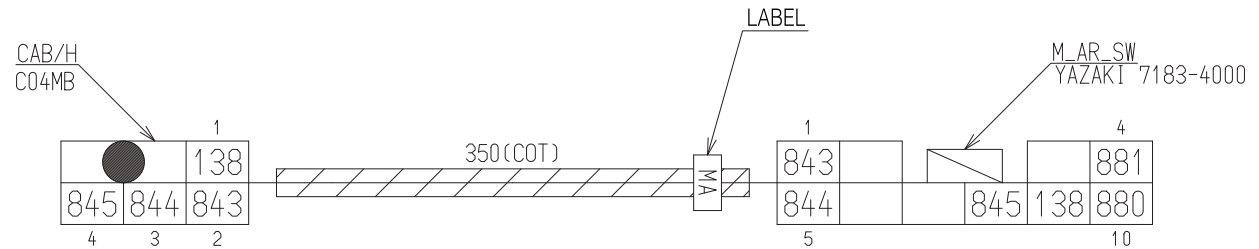


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

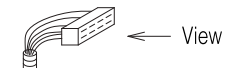
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3

CAB SWITCH HARNESS

(TRAVEL ALARM DEACTIVATION SWITCH) (OPTIONAL)



NO.	SIZE	COLOR	COROUIT		COMMENT	
			FROM	TO		
138	0.5	O	CAB/H-1	M_AR_SW-9	M.AR.C.SW	CAVS
843	0.5	G	CAB/H-2	M_AR_SW-1	LED POWER	CAVS
844	0.5	BG	CAB/H-3	M_AR_SW-5	LED.GND	CAVS
845	0.5	B	CAB/H-4	M_AR_SW-8	SW.GND	CAVS
880	0.5	G	(843)	M_AR_SW-10	LED POWER	CAVS
881	0.5	BG	(844)	M_AR_SW-4	LED.GND	CAVS

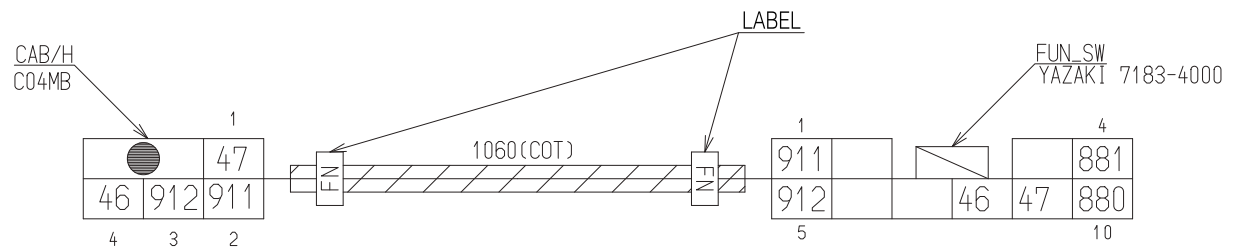


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

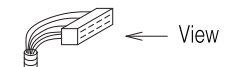
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3

CAB SWITCH HARNESS

(FAN ROTATION DIRECTION SWITCH) (OPTIONAL)

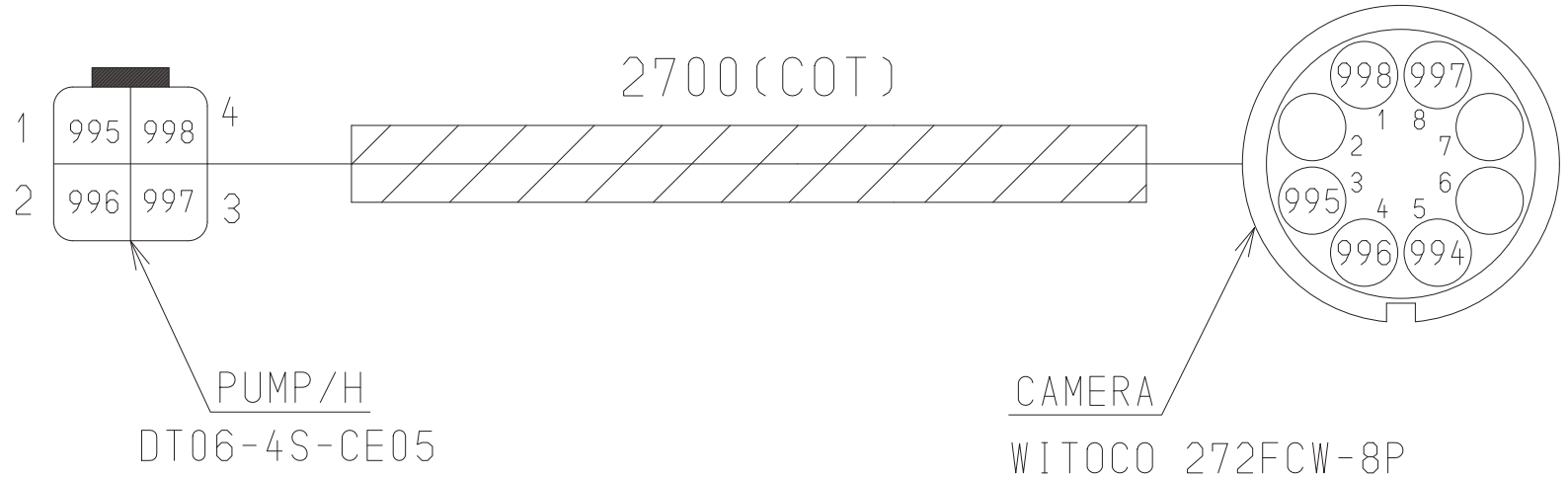


NO.	SIZE	COLOR	CIRCUIT		COMMENT	
			FROM	TO		
47	0.5	GW	CAB/H-1	FUN_SW-9	MOTOR MODE SW	CAVS
911	0.5	G	CAB/H-2	FUN_SW-1	LED POWER	CAVS
912	0.5	BG	CAB/H-3	FUN_SW-5	LED.GND	CAVS
46	0.5	B	CAB/H-4	FUN_SW-8	SW.GND	CAVS
880	0.5	G	(911)	FUN_SW-10	LED POWER	CAVS
881	0.5	BG	(912)	FUN_SW-4	LED.GND	CAVS

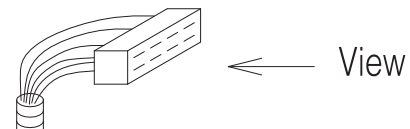


Attach to Vol. No. : T1J1-E-00, T1J7-E-00, T1JB-E-00

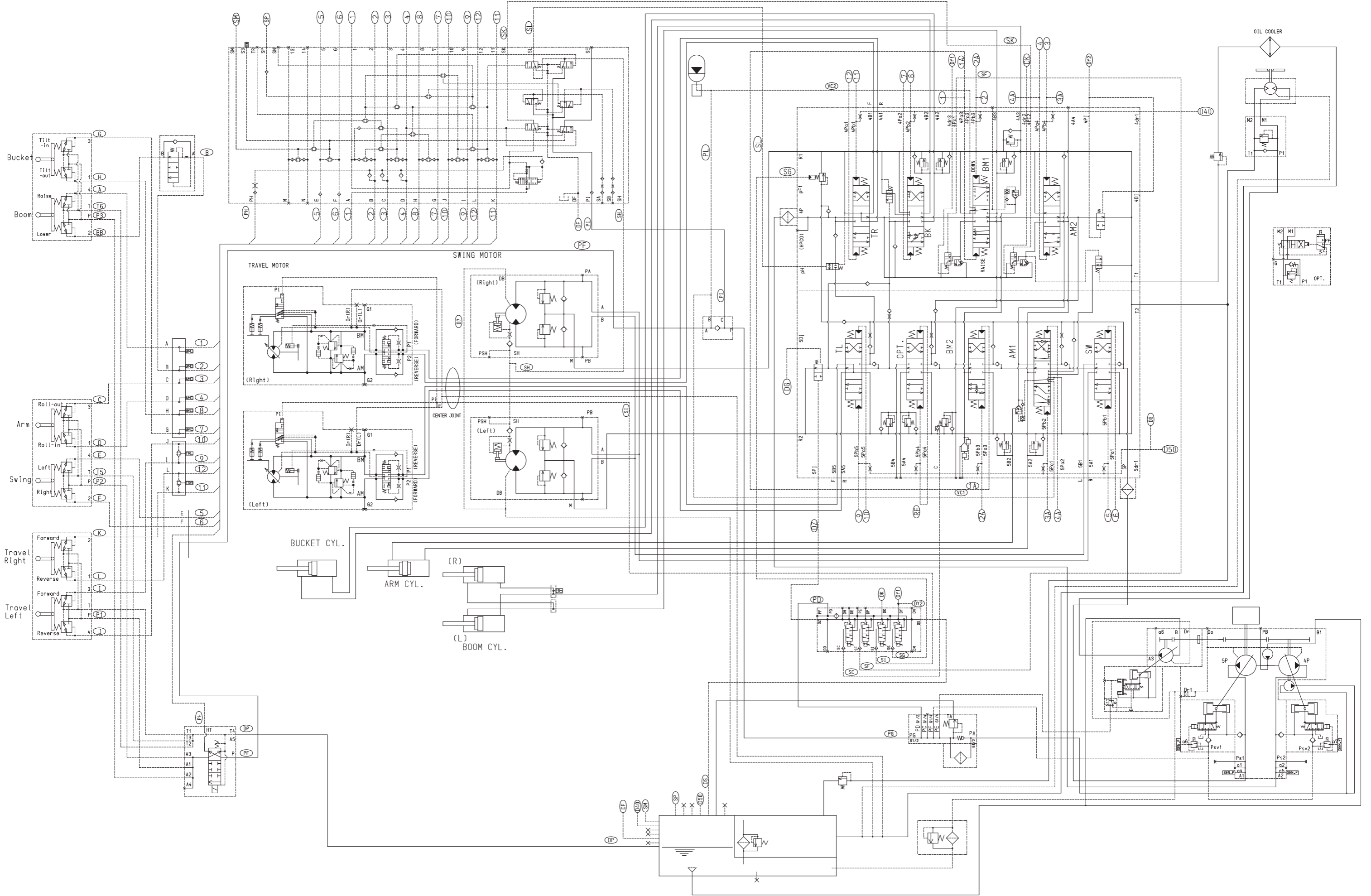
ZAXIS450-3/500LC-3/520LCH-3/650LC-3/850-3 REAR VIEW CAMERA RELAY HARNESS



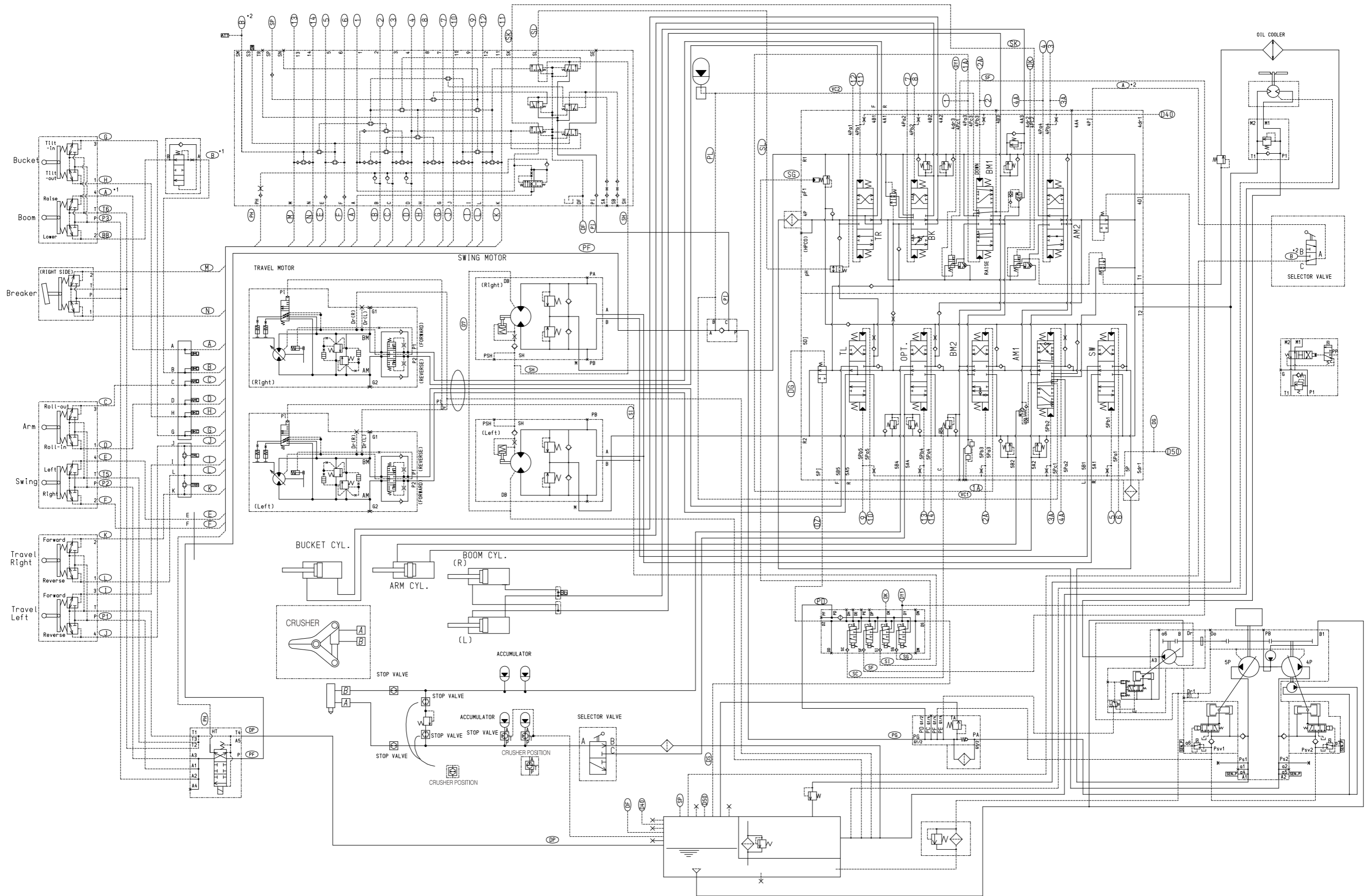
NO.	S I Z E	COL	CIRCUIT		COMMENT
			FROM	TO	
994		Y	⑨96	CAMERA-5	CAMERA GND
995		R	PUMP/H-3	CAMERA-3	CAMERA POWER
996		B	PUMP/H-4	CAMERA-4	CAMERA GND
997		B	PUMP/H-8	CAMERA-8	GND
998		W	PUMP/H-1	CAMERA-1	AV SIGNAL



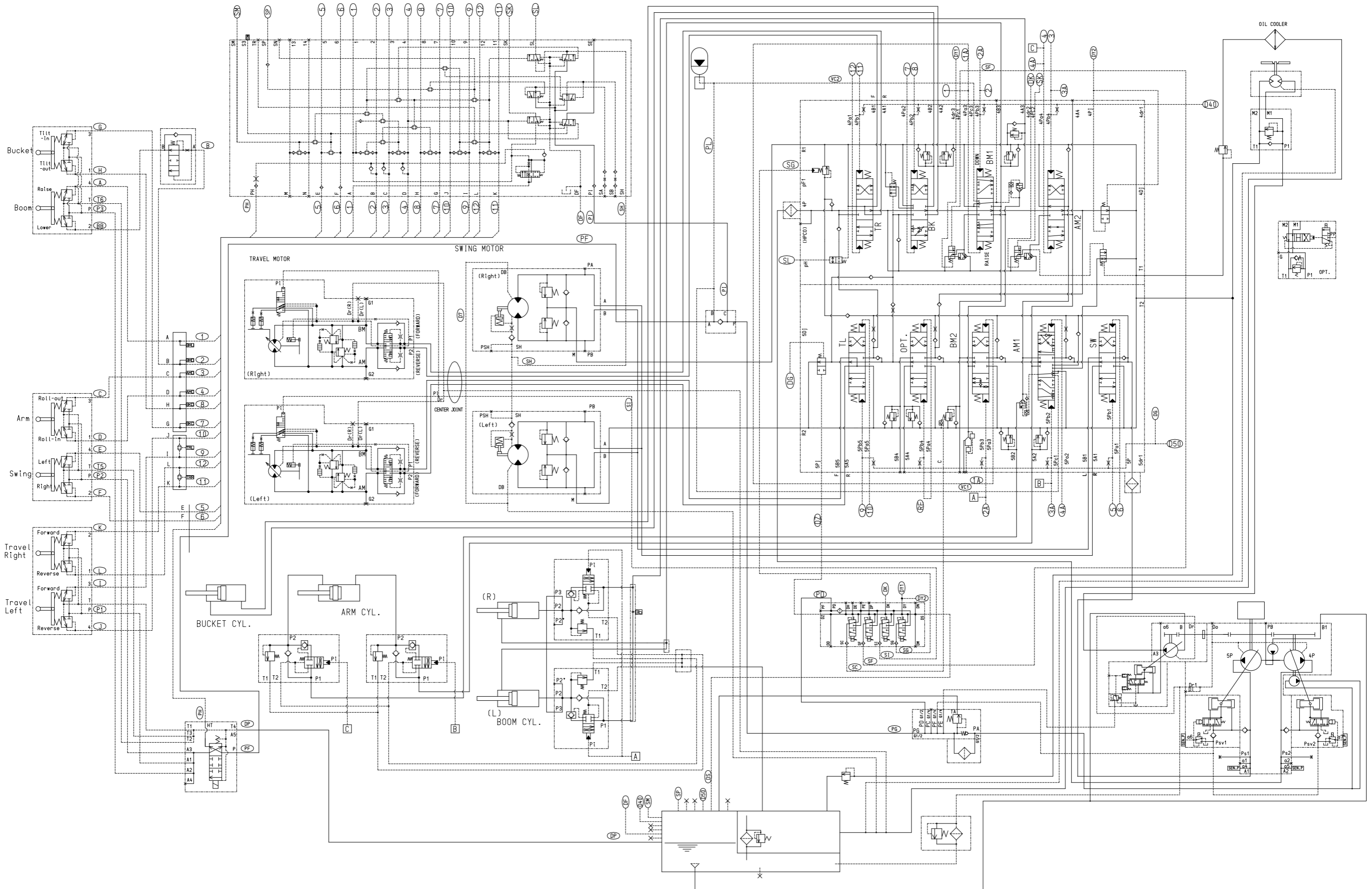
ZAXIS450-3/500LC-3/520LCH-3 HYDRAULIC CIRCUIT DIAGRAM (BACKHOE)



ZAXIS450-3/500LC-3/520LCH-3 HYDRAULIC CIRCUIT DIAGRAM (BREAKER / CRUSHER / TWO SPEED FLOW COMBINER) (OPTIONAL)



ZAXIS450-3/500LC-3/520LCH-3 HYDRAULIC CIRCUIT DIAGRAM (HOSE RUPTURE) (OPTIONAL)



ZAXIS450-3 HYDRAULIC CIRCUIT DIAGRAM (WITH COUNTERWEIGHT REMOVAL AND INSTALLATION DEVICE) (OPTIONAL)

