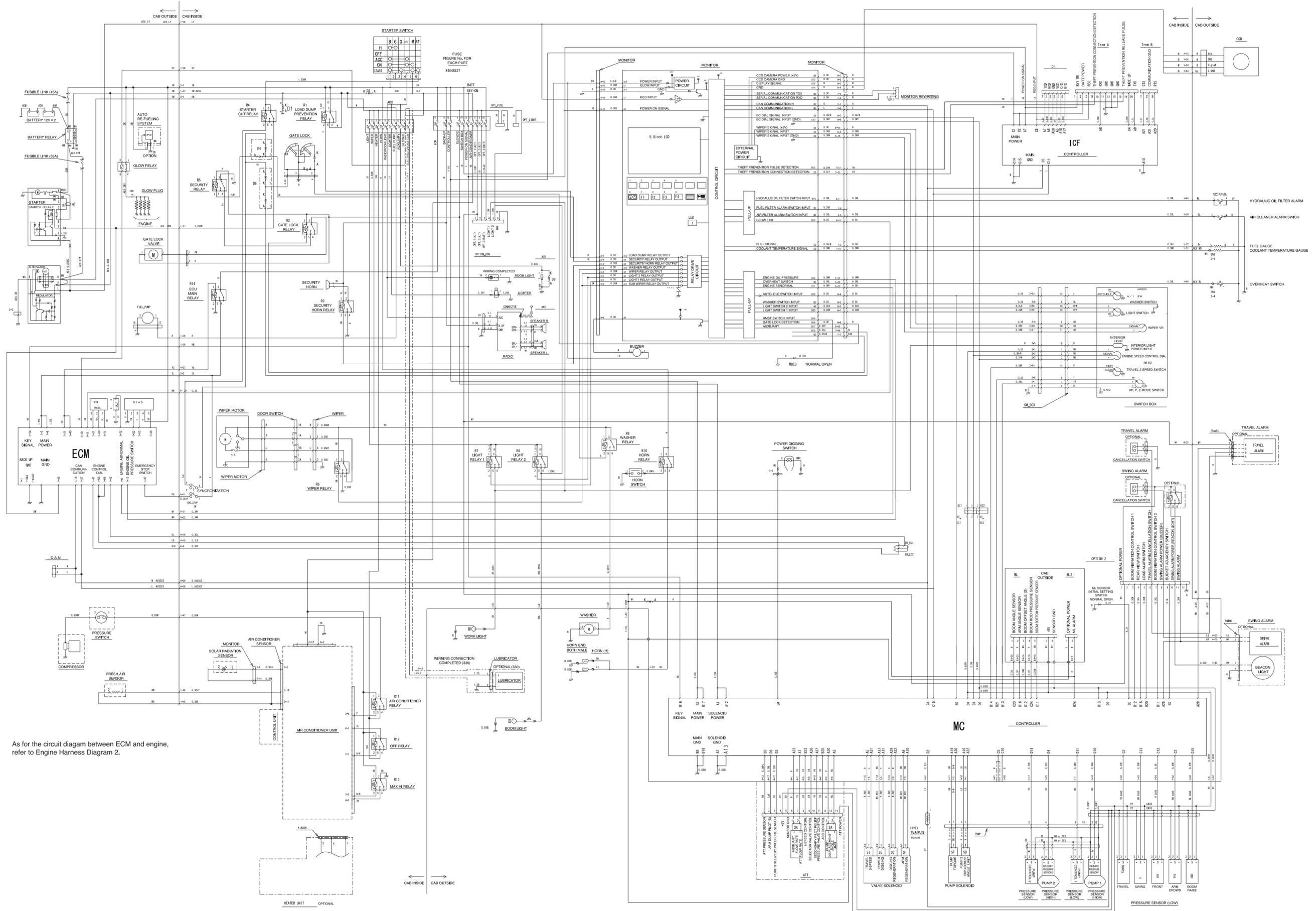


ZAXIS200-3 CLASS/240-3 CLASS/270-3 CLASS/330-3 CLASS ELECTRICAL DIAGRAM

CAUTION: Parts numbers on the drawing are provided only for reference purpose. To order parts on the drawing, be sure to consult the Parts Catalog.



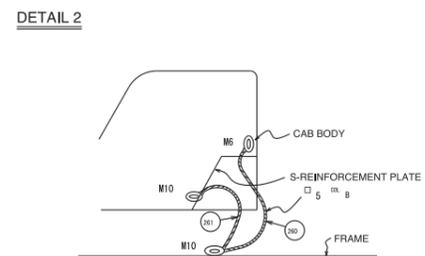
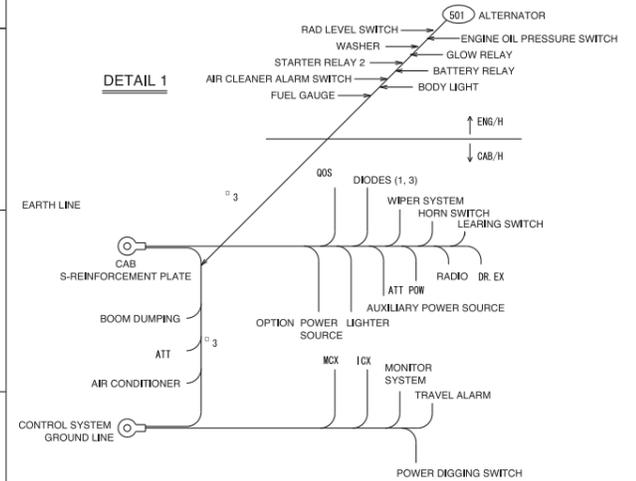
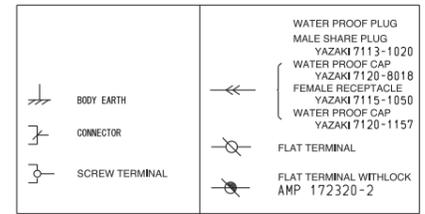
As for the circuit diagram between ECM and engine, refer to Engine Harness Diagram 2.

ZAXIS200-3 CLASS /240-3 CLASS/270-3 CLASS/330-3 CLASS CONNECTORS

CAUTION: Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing, be sure to consult the Parts Catalog.

CONNECTOR - TERMINAL USAGE TABLE (HARNESS END CONNECTOR WITHOUT COMMENT)

	FUEL GAUGE 202F-GY	BUZZER 002FW		PC YAZAKI 7323-2064	CANCELLATION SWITCH (TRAVEL ALARM) 0N03F	FRESH AIR SENSOR (120 SERIES) YAZAKI 090-II 7383-7028	SOLAR RADIATION SENSOR (120 SERIES) YAZAKI 050 2PF 7283-7623
TRAVEL Z04M-GY	QOS CONTROLLER YAZAKI 7123-7484-40	COMPRESSOR YAZAKI 7323-6214-40	PUMP/H (ENG END) SUMITOMO 6188-0494	FRESH AIR SENSOR (200 SERIES) AMP E J () 2-POLE FEMALE 174352-2	AIRCON M04_FW	SOLAR RADIATION SENSOR (200 SERIES) YAZAKI	AIR CONDITIONER PRESSURE SWITCH (200 SERIES) SUMITOMO 6189-0533
DIODE YAZAKI 7283-1223-30	SPEAKER PH065-02010	PRESSURE SENSOR (LOW) YAZAKI R V O 3 F B		GLOW RELAY YAZAKI 7323-2228	AIRCON SEN 003_MN	OPTIONAL POWER SOURCE M06_FW	WIPES SWING ALARM 002FW
PRESSURE SENSOR (HIGH) ADD PUMP3 AMP E J () 0 7 0 3-POLE FEMALE	SOLENOID SUMITOMO 6189-0031	WIPER (CAB/H END) 006FW	HYDRAULIC OIL TEMPERATURE SENSOR JF002LP-GY PB187-02326-G	WASHER PH065-02010 (CN, WITHOUT LOCK)	ALTERNATOR (ENGINE OIL PRESSURE SWITCH) YAZAKI 7323-1424-40 YAZAKI X02FW (BR) (330)	LEARNING SWITCH 006F-W	BOOM DUMPING 008FW
GENERAL RELAY SUMITOMO 6098-1493	EO LEVEL COOLANT TEMPERATURE SWITCH YAZAKI 7323-7414-40	RAD LEVEL PH065-03010	ROTATION SENSOR BOOM DUMPING Z02F-GY	EC ANGLE SENSOR Z03F-GY	STEP MOTOR Z04F-GY	STARTER SWITCH DSD-06F-W	WIPER SUMITOMO 6189-0133
				ML CRANE C12FW	RADIO AN-FM FUJITU-TEN YAZAKI 7123-1402		
MCF-A AMP 179681-6	MCF-B AMP 179679-6	MCF-C AMP 179690-5			MCF-D AMP 179678-6		
MONITOR A (CAB/H END) C16FBR	MONITOR B (CAB/H END) ATT ADDITIONAL PUMP ATT2 C16FW	MONITOR C (CAB/H END) C16FB			SW-BOX ADDITIONAL PUMP ATT1 C16MW		
MONITOR A AMP 175966-2	MONITOR B AMP 175967-2	MONITOR C AMP 174047-2			SATELLITE/PC C10FW		
ICF-A AMP-174516-7	ICF-B AMP-174514-7	ICF-C AMP-174913-7			ICF-D AMP-174515-7		



NOTE

1. Systematize the HARNESS GND LINE into two groups of the electric power lines and the control system lines.
Caulk both line ends with M8 round hole terminals. Then, connect both lines to the S-reinforcement plate. (See detailed figure-1)
2. Provide the separate ground line connecting the S-reinforcement plate, cab, and frame with a 5 mm-diameter wire. (See detailed figure-2)
3. Use 0.5 mm-diameter wire harnesses unless specified.
4. Before placing an order for a part by means of the drawing No., make sure the drawing update version, and its applicable machine models by referring to the Parts Catalog

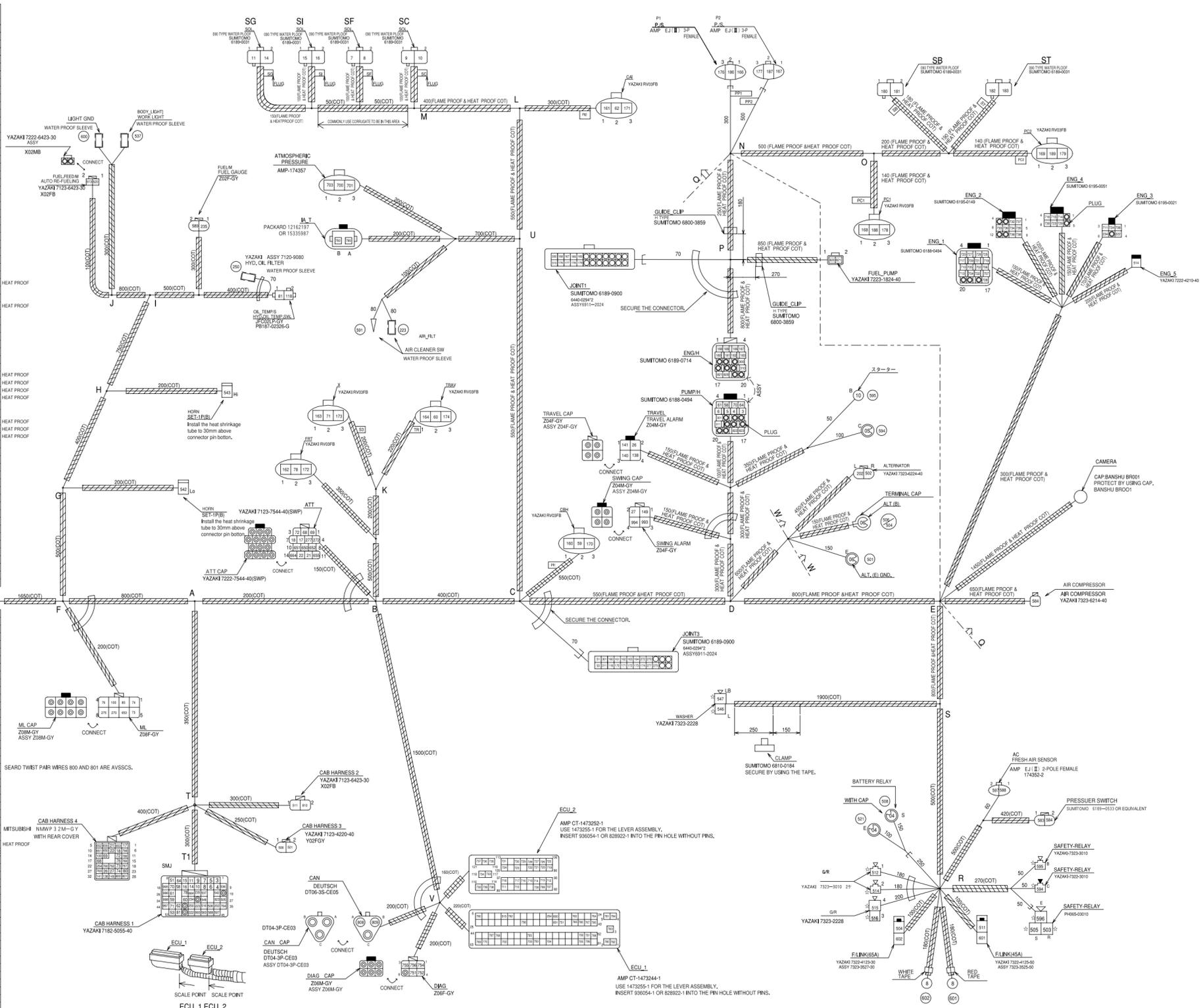
Attach to Part No. : TT1V7-E-00

ZAXIS330-3 CLASS ENGINE HARNESS

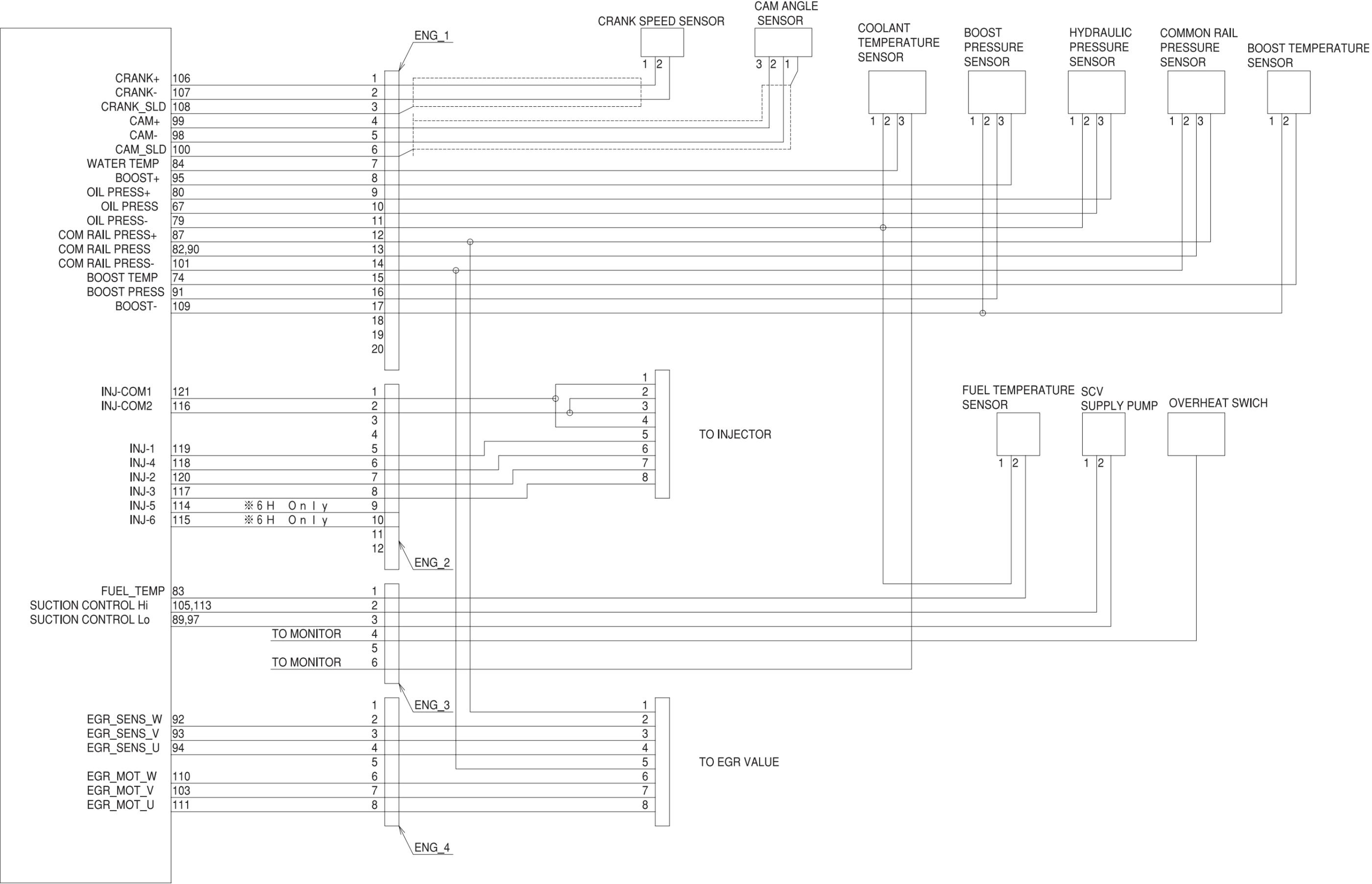
CAUTION: Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing, be sure to consult the Parts Catalog.

NO.	SIZE	COLOR	CIRCUIT	FROM	TO	COMMENT
3	0.5	L-B	CABH-1-1	PUMP#5		
4	0.5	L-R	CABH-1-10	PUMP#6		
5	0.5	B-W	CABH-1-2	PUMP#7		
6	0.5	G-W	CABH-1-11	PUMP#4		
7	0.5	R-W	CABH-1-3	SF-1	AVX	
8	0.5	B-W	CABH-1-12	SF-2	AVX	
9	0.5	R	CABH-1-4	SC-1	AVX	
10	0.5	G	CABH-1-13	SC-2	AVX	
11	0.5	Y	CABH-1-5	SG-1	AVX	
14	0.5	W-G	CABH-1-14	SG-2	AVX	
15	0.5	L	CABH-1-6	SH	AVX	
16	0.5	R	CABH-1-15	SH-2	AVX	
17	0.5	R	CABH-4-1	ATT-6		
18	0.5	Y-G	CABH-4-7	ATT-7		
21	0.5	O	CABH-4-3	ATT-12		
22	0.5	R-G	CABH-4-8	ATT-13		
26	0.5	W-R	CABH-4-26	TRAVEL-2		
27	0.5	B-R	CABH-4-25	SWING-2		
51	0.5	R-Y	CABH-1-9	JOINT3		
53	0.5	BY	CABH-1-52	JOINT3		
58	0.5	R-G	CABH-1-16	PUMP#3		
59	0.5	B-L	CABH-1-33	CRH-2	CAVS	
60	0.5	Y-B	CABH-1-52	TRAV-2	CAVS	
61	0.5	G-Y	CABH-1-25	PUMP#4		
62	0.5	R-B	CABH-1-42	CAM-2	CAVS	
64	0.5	B	CABH-4-17	PUMP#1		
68	0.5	L-B	CABH-4-17	ATT-2		
69	0.5	R-W	CABH-4-13	ATT-1		
70	0.5	Y-B	CABH-1-17	PUMP#2		
71	0.5	B-R	CABH-1-43	X-2	CAVS	
72	0.5	B-G	CABH-4-12	ATT-3		
73	0.5	O-B	CABH-4-19	ML-5		
74	0.5	G	CABH-4-24	ML-1		
76	0.5	Y	CABH-4-16	ML-4		
78	0.5	R	CABH-1-24	FRT-2	CAVS	
80	0.5	P	CABH-4-23	ML-2		
81	0.5	L-Y	CABH-1-51	ML-TEMP-S1		
100	0.5	W-G	CABH-4-14	ML-3		
101	0.5	W	CABH-4-1	PUMP#5		
102	0.5	W	CABH-4-2	PUMP#6		
118	0.5	BY	JOINT3	ML-TEMP-S-2		
138	0.5	G-B	CABH-4-31	TRAVEL-4		
140	0.5	B	TRAVEL-3			
141	0.5	W-Y	CABH-4-32	TRAVEL-1		
149	0.5	L-B	CABH-4-30	SWING-1		
160	0.5	R-Y	JOINT3	CRH-1	CAVS	
161	0.5	R-Y	JOINT3	CAM-1	CAVS	
162	0.5	R-Y	JOINT3	FRT-1	CAVS	
163	0.5	R-Y	JOINT3	X-1	CAVS	
164	0.5	R-Y	JOINT3	TRAV-1	CAVS	
166	0.5	R	PC-1	OR-1	ORSP-2	
167	0.5	R	PC-2	OR-2	ORSP-2	
168	0.5	R	PC-3	OR-3	ORSP-2	
169	0.5	R	PC-4	OR-4	ORSP-2	
170	0.5	BY	JOINT3	CRH-2	CAVS	
171	0.5	BY	JOINT3	CAM-2	CAVS	
172	0.5	BY	JOINT3	FRT-2	CAVS	
173	0.5	BY	JOINT3	X-2	CAVS	
174	0.5	BY	JOINT3	TRAV-2	CAVS	
176	0.5	B	PS-P1-3	JOINT1	OR-1	XJUSP-2
177	0.5	B	PS-P2-3	JOINT1	OR-2	XJUSP-2
178	0.5	B	PS-P3-3	JOINT1	OR-3	XJUSP-2
179	0.5	B	PS-P4-3	JOINT1	OR-4	XJUSP-2
180	0.5	W	SB-1	ENG#5	OR-1	XJUSP-2
181	0.5	R	SB-2	ENG#6	OR-2	XJUSP-2
182	0.5	B-R	ST-1	ENG#1	OR-1	XJUSP-2
183	0.5	G	ST-2	ENG#2	OR-2	XJUSP-2
186	0.5	G-Y	PS-P1-2	ENG#3	OR-1	XJUSP-2
187	0.5	L	PS-P2-2	ENG#4	OR-2	XJUSP-2
188	0.5	O	PS-P3-2	ENG#1	OR-1	XJUSP-2
189	0.5	W-L	PS-P4-2	ENG#2	OR-2	XJUSP-2
198	0.5	W	NS-1	ENG#1-2		
199	0.5	B	NS-2	ENG#2-2		
202	0.5	L-Y	CABH-1-36	ALT-L	AEX	
222	0.5	R-L	CABH-1-49	ENG-3-4	AEX	
233	0.5	G-L	CABH-1-39	AIR FLT-F	AEX	
234	0.5	W-B	CABH-1-31	AIR FLT-F	AEX	
235	0.5	B	CABH-1-22	FUEL M-1		
250	0.5	W-L	CABH-1-40	FUEL M-2		
254	0.5	W-R	CABH-4-22	ECU-1-17		
270	0.5	R-Y	JOINT3	ML-7		
272	0.5	R-Y	JOINT3	ATT-4		
275	0.5	BY	JOINT3	ML-8		
277	0.5	BY	JOINT3	ATT-5		
300	0.85	R-Y	ENG#12	JOINT1		
301	0.85	R-Y	ENG#13	JOINT2		
302	0.85	R-Y	ENG#14	JOINT3		
310	0.85	BY	JOINT3	JOINT1		
311	0.85	BY	JOINT3	JOINT2		
312	0.85	BY	JOINT3	JOINT3		
313	0.85	BY	JOINT3	JOINT4		
501	3	B	CABH-1-27	SAFE-R-5	AEX	
502	0.85	W	ALT-R	SAFE-R-6	AEX	
503	0.85	W-G	SAFE-R-R	SAFE-R-7	AEX	
504	8	W	ALT-B	SAFE-R-8	AEX	
505	2	B-W	CABH-1-27	SAFE-R-5	AEX	
506	5	W	ALT-B	SAFE-R-8	AEX	
508	2	W	BATT-R-S	CABH-1-37		
511	3	R	4SA-FL	CABH-2-2		
512	3	R	GR-1	GR-1		
513	2	R	FUEL-FRESHM-2	GR-2		
514	3	B-Y	GR-2	GR-2		
515	0.5	G-R	ECU-1-10	GR-4		
516	0.5	G-Y	CABH-1-38	GR-3		
520	2	B	FUEL-FRESHM-1	GR-3		
521	2	B	BATT-R-E	GR-3		
522	2	R-L	CABH-1-9	BOOM LIGHT		

NO.	SIZE	COLOR	CIRCUIT	FROM	TO	COMMENT	
537	0.5	R	CABH-1-21	BODY LIGHT			
542	0.5	R-G	CABH-1-20	HORN-LO			
543	0.5	R-G	CABH-1-20	HORN-HI			
548	0.5	Y	CABH-1-29	WASHER			
547	0.5	B	WASHER-LB				
583	0.85	W	CABH-1-47	PRESSURE SW-1			
584	0.85	W-R	CABH-1-48	PRESSURE SW-2			
588	0.5	R-W	CABH-1-48	FRESH-R-SENSOR-1			
589	0.5	B	FUEL-M-2				
591	0.5	B	AIR-FLT-M				
594	5	R	START-C	SAFER-R-C			
595	5	R-L	START-B	SAFER-R-B			
596	1.25	B	SAFER-R-E				
597	0.5	B-R	CABH-1-45	FRESH-R-SENSOR-1			
600	0.5	B	LIGHT GND				
601	5	R	4SA-FL	BAT-Ry			
602	2.8	W	65A-FL	BAT-Ry			
650	0.5	L-W	CABH-4-9	ATT-9	AEX		
651	0.5	Y-B	CABH-4-10	ATT-10			
652	0.5	L-B	CABH-4-5	ATT-8			
653	0.5	R	CABH-4-2	ML-2			
655	0.5	Y-B	CABH-4-4	ATT-11			
664	1.25	L	CABH-1-23	ATT-14			
664	1.25	L	CABH-1-23	ATT-14			
700	0.5	B-L	ECU-1-60	AMBIENT-SENSOR-1			
701	0.5	G-B	ECU-1-61	AMBIENT-SENSOR-3			
702	0.5	O	ECU-1-67	ENG-1-10	AEX		
703	0.5	P-L	ECU-1-71	AMBIENT-SENSOR-1	AEX		
704	0.5	R	ECU-1-74	ENG-1-15	AEX		
705	0.5	W	ECU-1-79	ENG-1-11	AEX		
706	0.5	B-L	ECU-1-80	ENG-1-9	AEX		
707	0.5	R	ECU-2-82	ENG-1-13	AEX		
708	0.5	R	ECU-2-83	ENG-1-15	AEX		
709	0.5	Y-G	ECU-2-84	ENG-1-17	AEX		
710	0.5	W	ECU-2-87	ENG-1-12	AEX		
711	0.5	G-B	ECU-2-89	ENG-1-3	AEX		
712	0.5	R-B	ECU-2-90	ENG-1-1	AEX		
713	0.5	L-R	ECU-2-91	ENG-1-16	AEX		
714	0.5	Y-R	ECU-2-92	ENG-4-2	AEX		
715	0.5	O-W	ECU-2-93	ENG-4-3	AEX		
716	0.5	V	ECU-2-94	ENG-4-4	AEX		
717	0.5	O-W	ECU-2-95	ENG-1-8	AEX		
718	0.75	G-Y	ECU-2-97	CT11	AEX		
719	0.5	B	ECU-2-98	ENG-1-5	AEX		
720	0.5	W	ECU-2-99	ENG-1-4	AEX		
721	0.5	G-Y	ECU-2-100	ENG-1-6	AEX		
722	0.5	B	ECU-2-101	ENG-1-14	AEX		
723	0.25	L-Y	ECU-2-103	ENG-4-7	AEX		
724	0.75	B-G	ECU-2-105	ENG-3-2	AEX		
725	0.5	B	ECU-2-106	ENG-1-1	AEX		
726	0.5	W	ECU-2-107	ENG-1-2	AEX		
727	0.5	P	ECU-2-108	ENG-1-3	AEX		
728	0.5	P	ECU-2-109	ENG-1-17	AEX		
729	0.75	L-R	ECU-2-110	ENG-4-6	AEX		
730	0.75	T-L	ECU-2-111	ENG-4-8	AEX		
731	0.75	B-G	ECU-2-113	ENG-4-9	AEX		
732	1.25	P	ECU-2-116	ENG-2-8	AEX		
733	1.25	W-G	ECU-2-117	ENG-2-8	AEX		
734	1.25	B-W	ECU-2-118	ENG-2-8	AEX		
735	1.25	R-G	ECU-2-119	ENG-2-5	AEX		
736	1.25	L-W	ECU-2-120	ENG-2-7	AEX		
737	1.25	Y	ECU-2-121	ENG-2-1	AEX		
738	1.25	B	ECU-2-114	ENG-2-8	AEX		
739	1.25	R	ECU-2-115	ENG-2-10	AEX		
750	0.5	R-L	ECU-1-72	IA-T-8			
751	0.5	G-B	ECU-1-38	DMG-5			
752	0.5	R	DMG-1	DMG-3			
754	0.5	B	DMG-3	DMG-3			
755	0.5	Y	ECU-1-32	DMG-3			
756	0.5	P-W	ECU-1-32	DMG-2			
760	0.5	W-Y	CABH-4-21	ECU-1-5			
762	0.5	R-W	CABH-4-20	ECU-1-11			
763	0.5	Y-G	CABH-4-27	ECU-1-21			
764	0.5	R-B	CABH-1-35	ECU-1-24			
765	0.5	Y-G	ECU-1-40	ECU-1-2			
766	0.5	B-G	CABH-4-6	ECU-1-41			
767	0.5	O-L	CABH-4-18	ECU-1-42			
768	0.5	P-G	CABH-4-11	ECU-1-47			
769	0.5	L-B	CABH-4-15	ECU-1-60			
770	0.5	L-B	ECU-1-54	ECU-1-7			
780	1.25	L	ECU-1-2	DMG-3			
781	1.25	L	ECU-1-5	DMG-3			
782	1.25	R	ECU-1-1	DMG-3			
783	1.25	B	ECU-1-3	DMG-3			
784	1.25	B	ECU-1-4	DMG-3			
785	0.5	B	ECU-1-43	DMG-3			
786	0.5	B	ECU-1-52	DMG-3			
787	0.5	B-W	ECU-1-46	DMG-3			
790	0.5	B	IA-T-8	DMG-3			
800	0.5	W	CABH-4-29	ECU-1-18	AVSSCS		
801	0.5	L	CABH-4-28	ECU-1-37	AVSSCS		
808	0.5	W	CAN-A	ECU-1-2	AVSSCS		
809	0.5	L	CAN-B	ECU-1-2	AVSSCS		
810	3	B	CABH-2-2	ECU-1-78			
811	3	B	CABH-2-2	ECU-1-78			
820	0.5	B	ENG#18	FUEL PUMP-1	OR-1	ORSP-2	
821	0.5	R	ENG#17	FUEL PUMP-2	OR-1	ORSP-2	
822	0.5	B	PUMP#18		OR-1	ORSP-2	
823	0.5	R	CABH-1-28	PUMP#17			
830	0.5	G-Y	ENG#14	FUEL FILTER	OR-1	XJUSP-2	
841	0.8		ENG#14	FUEL FILTER	OR-1	XJUSP-2	
993	0.5	R-W	CABH-1-48	SWING-3			
995	R	CABH-1-18	CAMERA				
996	B	CABH-1-26	CAMERA				
997	G	CABH-1-44	CAMERA				
998	B	CABH-1-34	CAMERA				
994	0.5	B	SWING-4				



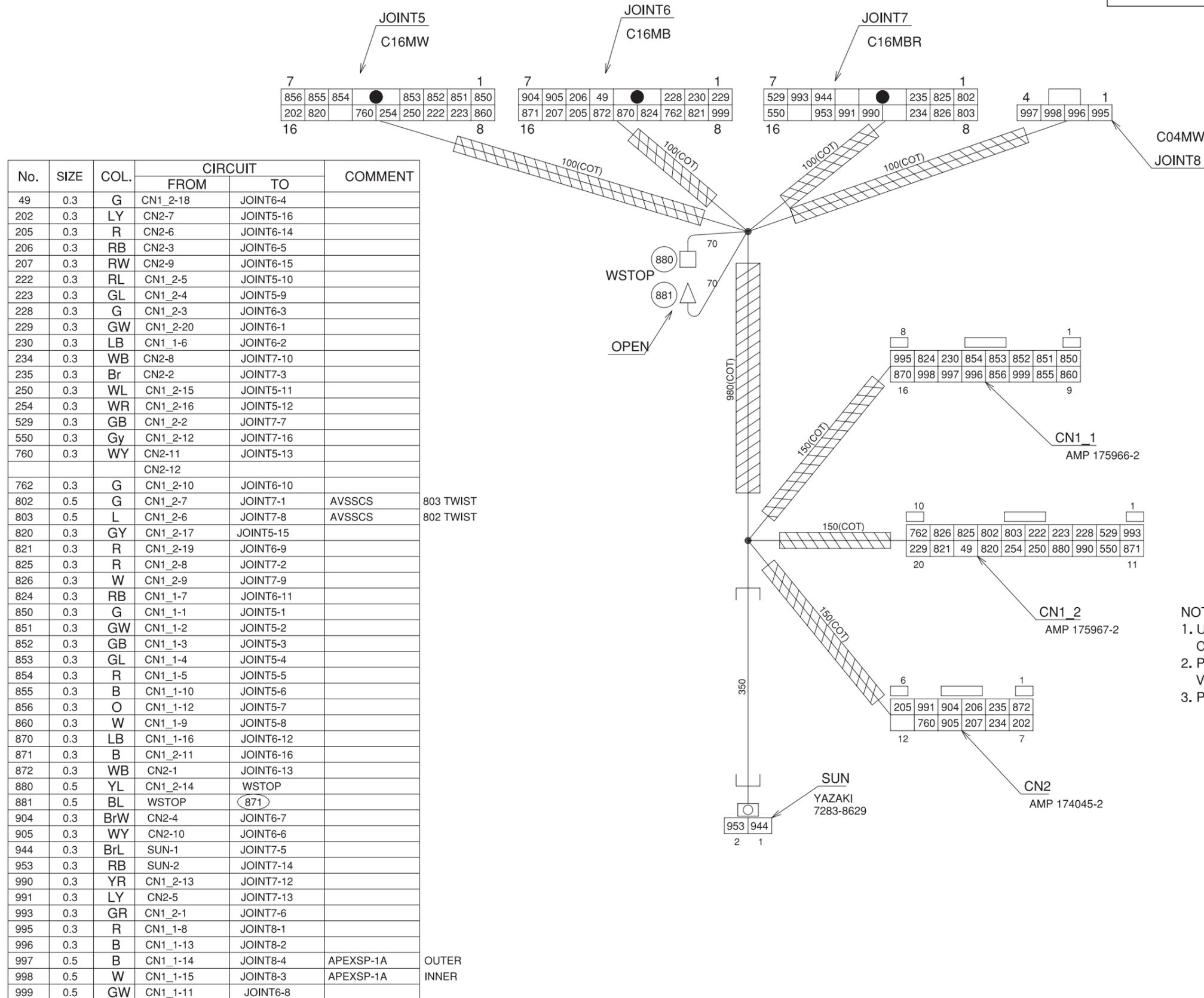
ZAXIS200-3 CLASS / 240-3 CLASS / 270-3 CLASS / 330-3 CLASS ENGINE HARNESS 2



Attach to Part No. : TT1V1-E-00

ZAXIS200-3 CLASS / 240-3 CLASS / 270-3 CLASS / 330-3 CLASS MONITOR UNIT HARNESS

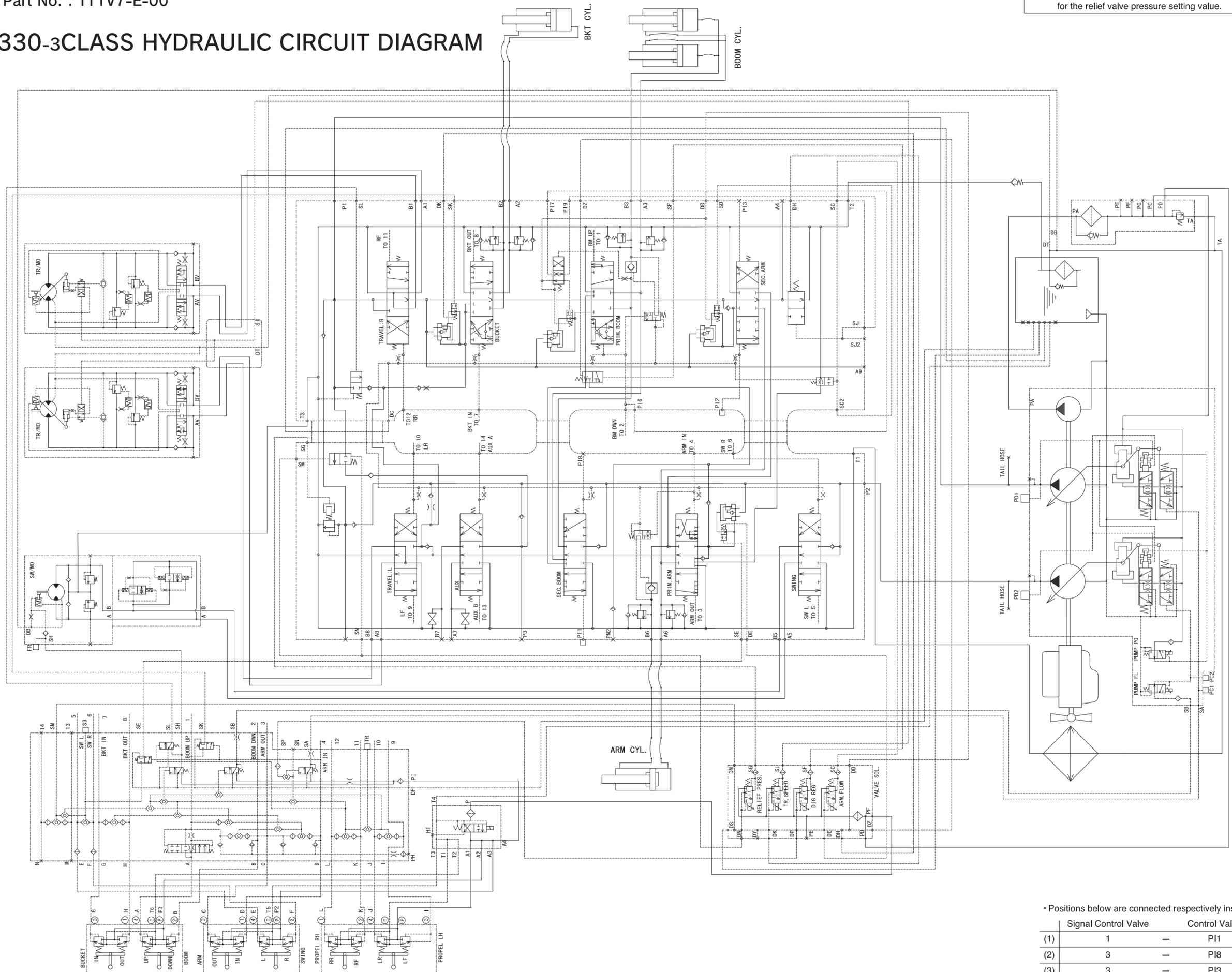
CAUTION: Parts numbers on the drawing are provided only for reference purpose.
To order parts on the drawing, be sure to consult the Parts Catalog.



- NOTE
1. UNDER 1.25 WIRE MAY BE CAVS WIRE, IF NO COMMENT.
OVER 2 WIRE MAY BE AVS WIRE.
 2. PIN ARRANGEMENTS OF THIS DRAWING INDICATE VIEW POINTS FROM THE OTHER SIDE CONNECTORS.
 3. PUT THE PART NO. LABEL ON THE HARNESS.

NOTE: Refer to the PERFORMANCE STANDARD in the technical manual for the relief valve pressure setting value.

ZAXIS330-3CLASS HYDRAULIC CIRCUIT DIAGRAM



• Positions below are connected respectively inside.

	Signal Control Valve	Control Valve
(1)	1	— P11
(2)	3	— P18
(3)	3	— P13
(4)	4	— P12

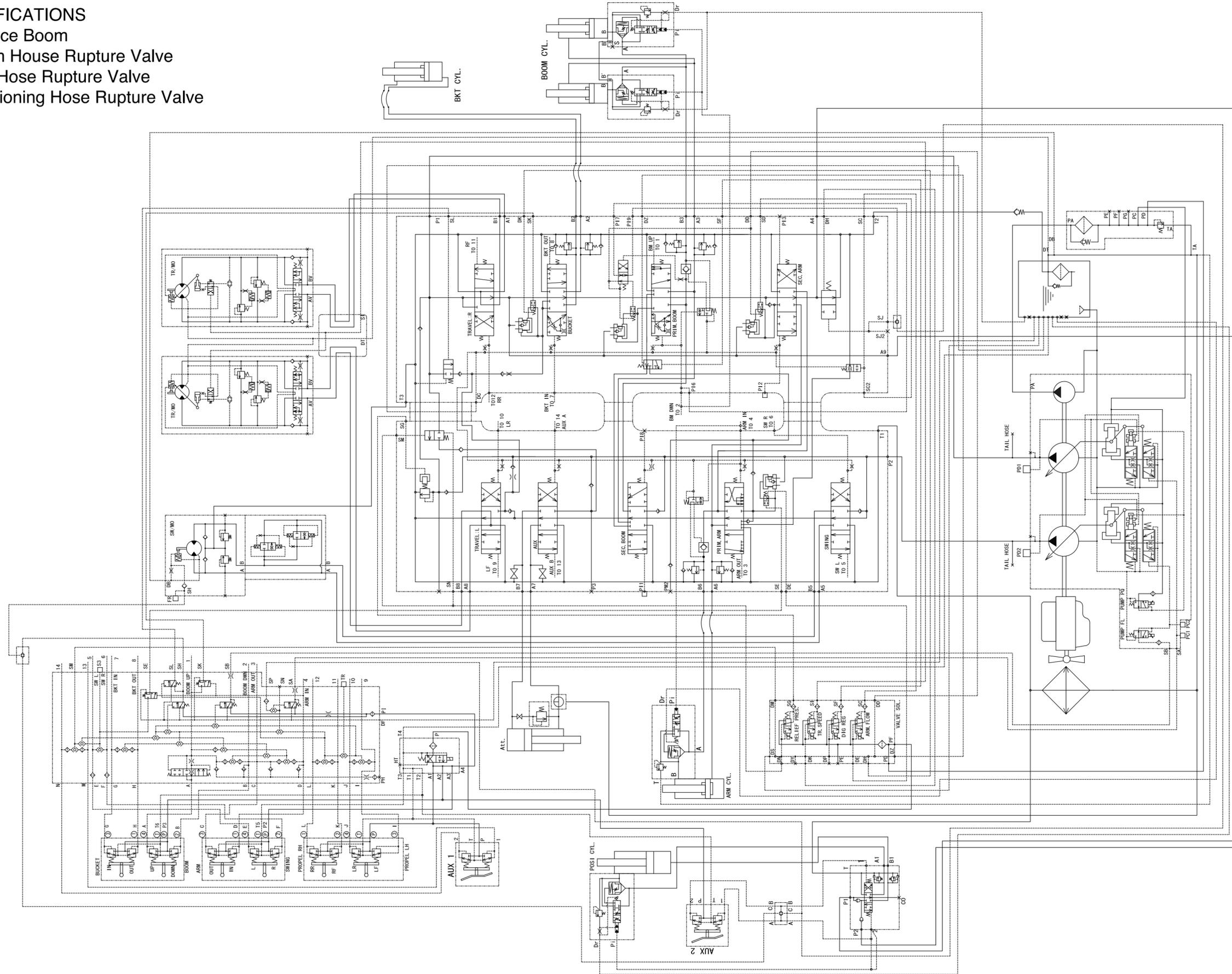
Attach to Part No. : TT1V7-E-00

NOTE: Refer to the PERFORMANCE STANDARD in the technical manual for the relief valve pressure setting value.

ZAXIS330-3CLASS HYDRAULIC CIRCUIT DIAGRAM

SPECIFICATIONS

- 2-Piece Boom
- Boom House Rupture Valve
- Arm Hose Rupture Valve
- Positioning Hose Rupture Valve



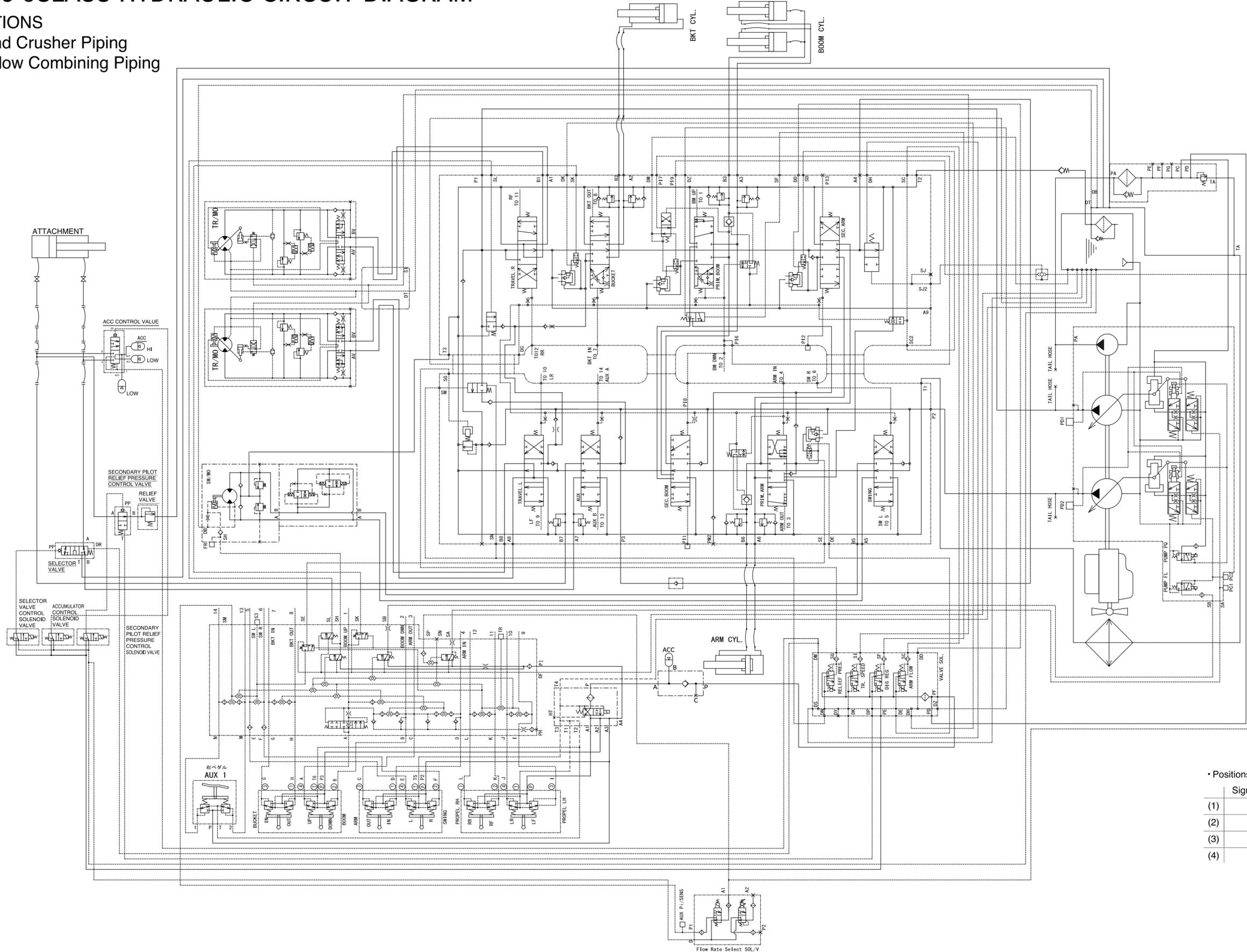
• Positions below are connected respectively inside.

	Signal Control Valve	Control Valve
(1)	1	P11
(2)	3	P18
(3)	3	P13
(4)	4	P12

ZAXIS330-3CLASS HYDRAULIC CIRCUIT DIAGRAM

SPECIFICATIONS

- Breaker and Crusher Piping
- 2-Speed Flow Combining Piping



• Positions below are connected respectively inside.

	Signal Control Valve	Control Valve
(1)	1	P11
(2)	3	P18
(3)	3	P13
(4)	4	P12