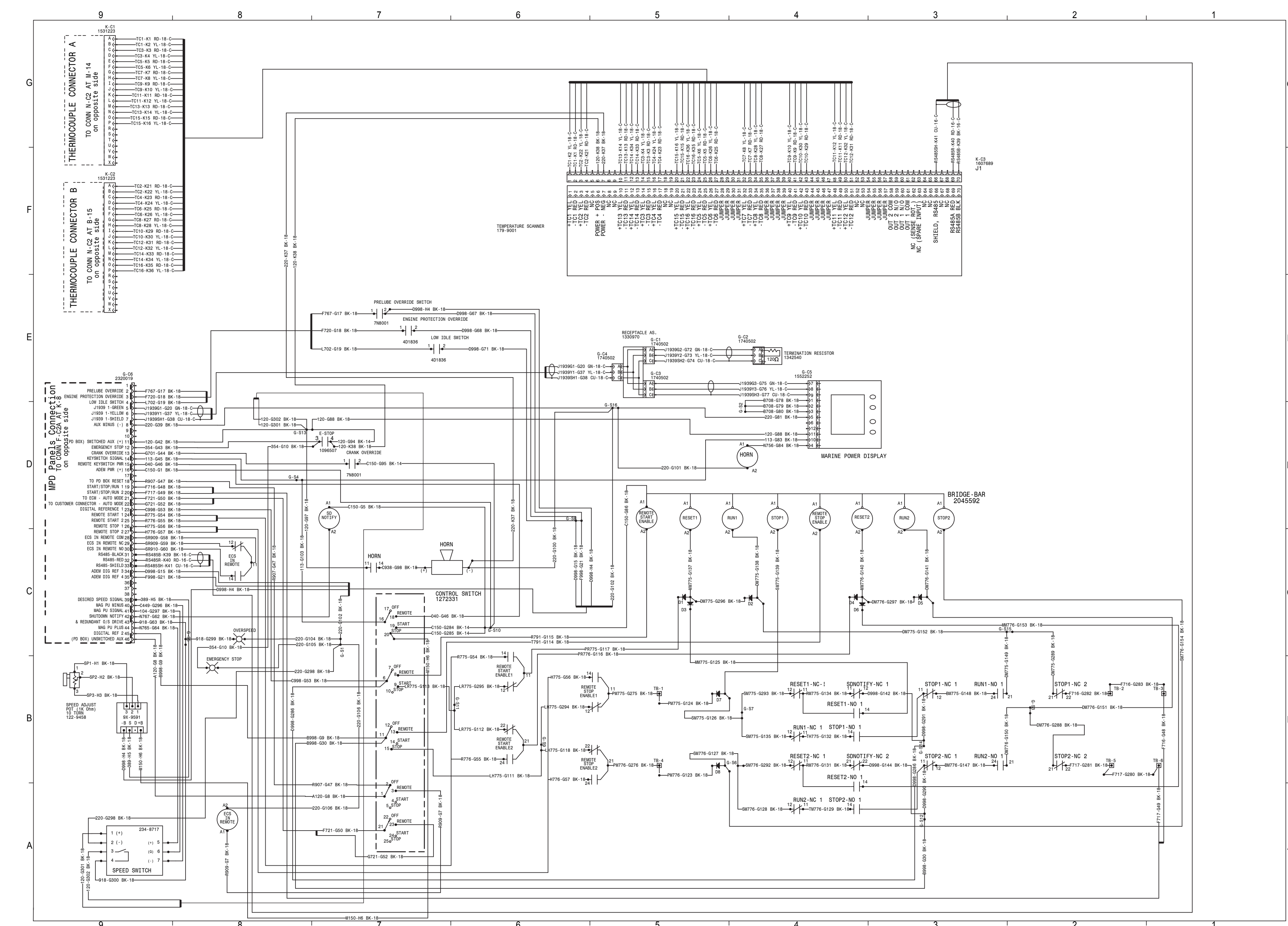




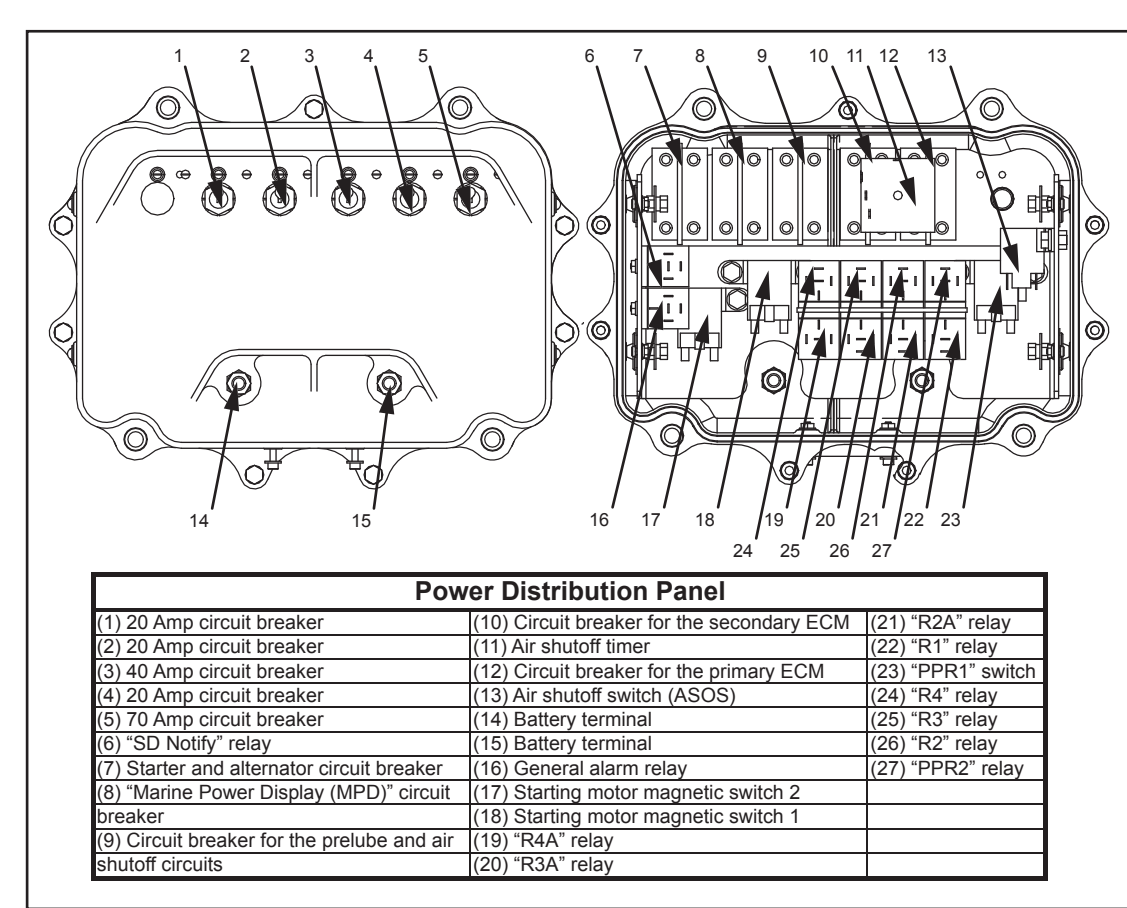
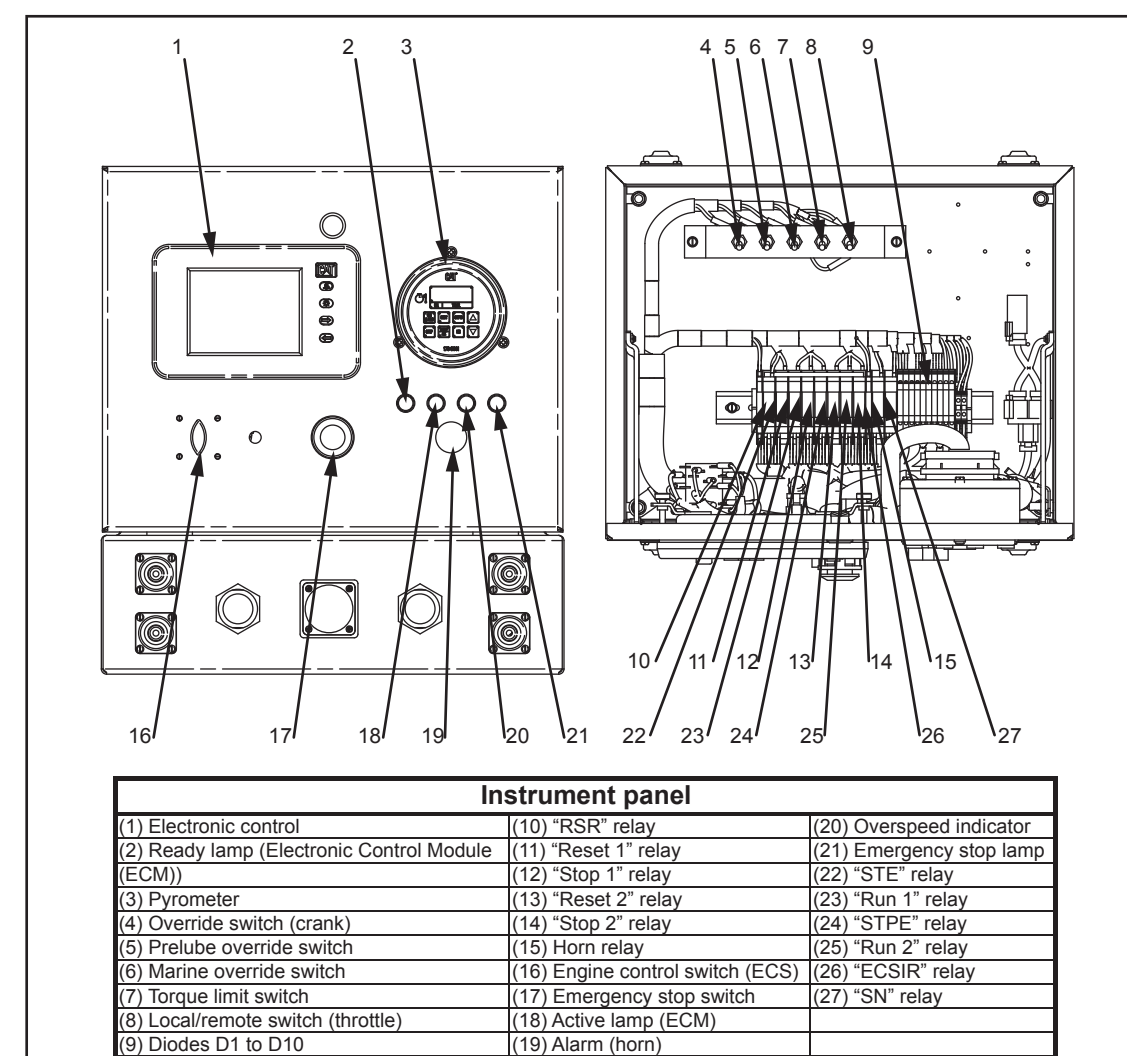
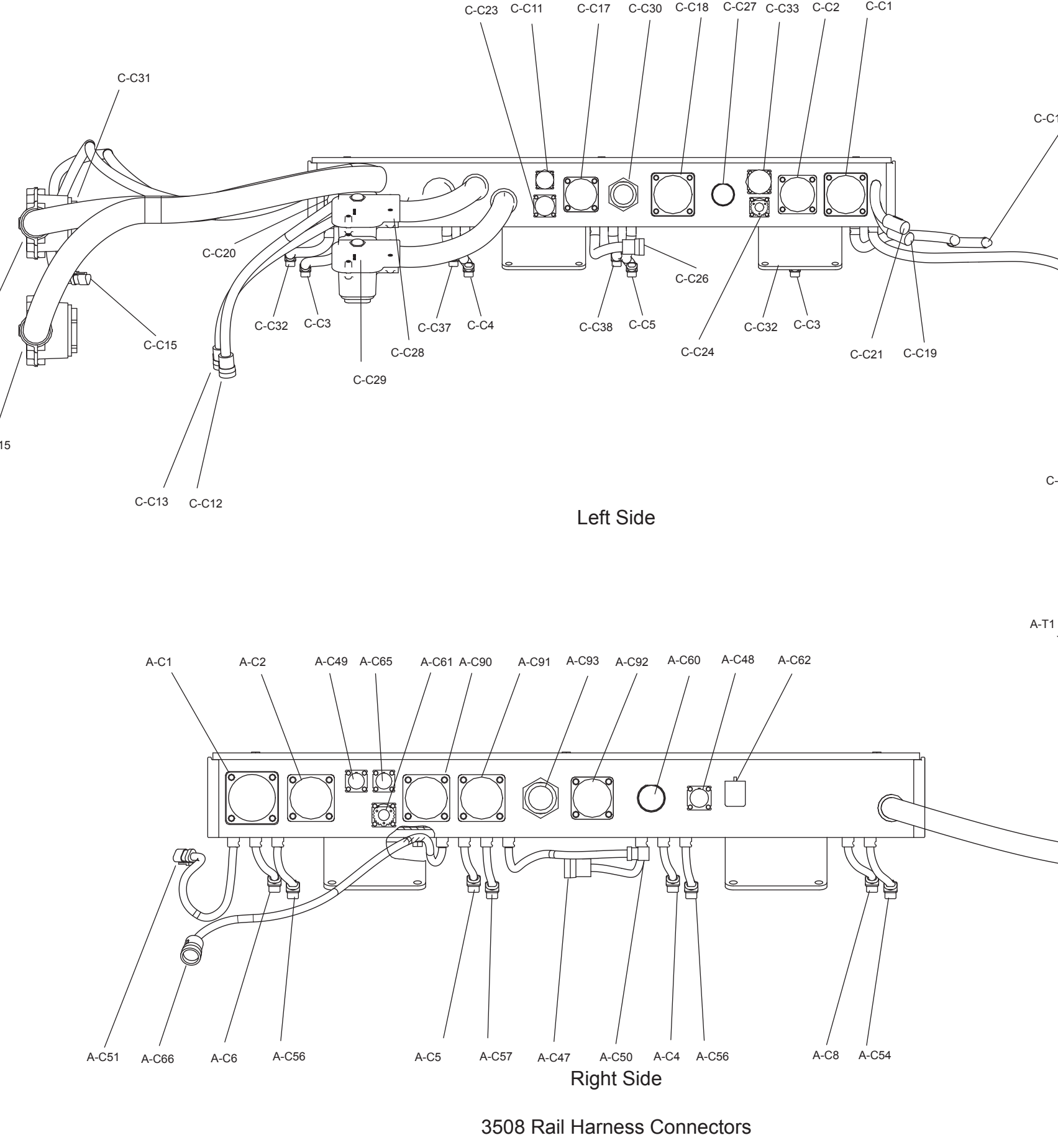
Wire Number	Wire Color	Wire Description
101	BLK	Starter Power Customer Connector
102	BLK	Battery
103	BLK	R2, ECM Secondary
104	BLK	Speed Switch
105	BLK	Aux. Power (+)
113	BLK	Key SW Power
114	BLK	Battery (+), MPD Panel Breaker
115	BLK	Battery (+), MPD Panel Breaker
116	BLK	Battery (+), Jumper
120	BLK	R1, R2A
150	BLK	R2A, Battery (+), ECM
200	BLK	R2C, Pre-Lube and Oil Start
220	BLK	Relay 2, Relay 2A
225	BLK	ECM Primary
344	BLK	Starter
345	BLK	Emergency Stop
385	BLK	Secondary Throttle Signal
700	BLK	Turbo Exhaust Temp
838	BLK	Mag PU
838B1	BLK	Mag PU, Shield
872	BLK	Mag PU
882	BLK	CAT Data Link
892	BLK	CAT Data Link
916	BLK	MPD Thermocouple
993	BLK	Turbo Inlet Pressure
994	BLK	Oil Fuel Pressures
996	BLK	Primary Speed Timing
997	BLK	Auxiliary Sensor Power (5 V)
999	BLK	Primary Speed Timing
A103	BLK	Battery (+)
A109	BLK	Starter and Alternator Breaker
A120	BLK	MPD Panel Breaker
A150	BLK	Primary Alarm Breaker/Shutdown North MPD
A287	BLK	Primary ECM Breaker
A291	BLK	Alternator
A478	BLK	Remote Start Connector 2
A699	BLK	Injector 2
A700	BLK	Right Turbo Exhaust Temp
A701	BLK	Injector 1
A702	BLK	Injector 2
A703	BLK	Injector 3
A704	BLK	Injector 4
A705	BLK	Injector 5
A706	BLK	Injector 6
A707	BLK	Injector 7
A708	BLK	Injector 8
A709	BLK	Injector 9
A710	BLK	Injector 10
A711	BLK	Injector 11
A712	BLK	Injector 12
A713	BLK	Injector 13
A714	BLK	Injector 14
A715	BLK	Injector 15
A716	BLK	Injector 16
A717	BLK	Injector 1 Return
A718	BLK	Injector 2 Return
A719	BLK	Injector 3 Return
A720	BLK	Injector 4 Return
A721	BLK	Injector 5 Return
A722	BLK	Injector 6 Return
A723	BLK	Injector 7 Return
A724	BLK	Injector 8 Return
A725	BLK	Injector 9 Return
A726	BLK	Injector 10 Return
A727	BLK	Injector 11 Return
A728	BLK	Injector 12 Return
A729	BLK	Injector 13 Return
A730	BLK	Injector 14 Return
A731	BLK	Injector 15 Return
A732	BLK	Injector 16 Return
A746	BLK	Turbo Inlet Pressure
A747	BLK	Atmospheric Pressure
A893	BLK	Atmospheric Pressure Reference
A897	BLK	Auxiliary Sensor (5 V)
A898	BLK	Starter
B103	BLK	Secondary ECM Breaker
B150	BLK	Battery (+)
B287	BLK	Battery (+)
B708	BLK	Digital Sensor Power (5 V)
B709	BLK	Main Power Display
B999	BLK	Primary ECM Digital Sensor Reference
BM776	BLK	Stop/Run
C150	BLK	Primary ECM Power
C401	BLK	Secondary ECM Power
C449	BLK	Redundant Overlap
C398	BLK	Engine Coolant Temperature
C411	BLK	Engine Coolant Temperature
C398	BLK	Digital Reference
C399	BLK	Auxiliary Power +
C399	BLK	Primary ECM Breaker
C399	BLK	Constant Level Sensor
C399	BLK	Constant Level Sensor
C399	BLK	Digital Reference
DM775	BLK	Stop/Run

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A699	BLK	Injector 2
A700	BLK	Right Turbo Exhaust Temp
A701	BLK	Injector 1
A702	BLK	Injector 2
A703	BLK	Injector 3
A704	BLK	Injector 4
A705	BLK	Injector 5
A706	BLK	Injector 6
A707	BLK	Injector 7
A708	BLK	Injector 8
A709	BLK	Injector 9
A710	BLK	Injector 10
A711	BLK	Injector 11
A712	BLK	Injector 12
A713	BLK	Injector 13
A714	BLK	Injector 14
A715	BLK	Injector 15
A716	BLK	Injector 16
A717	BLK	Injector 1 Return
A718	BLK	Injector 2 Return
A719	BLK	Injector 3 Return
A720	BLK	Injector 4 Return
A721	BLK	Injector 5 Return
A722	BLK	Injector 6 Return
A723	BLK	Injector 7 Return
A724	BLK	Injector 8 Return
A725	BLK	Injector 9 Return
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Event Code	Condition
E007	High Aftercooler Temperature Denial
E008	High Aftercooler Temperature Shutdown
E009	High Aftercooler Denial
E010	High Aftercooler Shutdown
E011	High Crankcase Pressure Denial
E012	High Crankcase Pressure Shutdown
E013	High Engine Coolant Temperature Denial
E014	High Engine Coolant Temperature Shutdown
E015	High Engine Coolant Temperature Denial
E016	High Engine Coolant Temperature Shutdown
E017	High Engine Coolant Temperature Warning
E018	High Engine Coolant Temperature Denial
E019	High Engine Coolant Temperature Warning
E020	High Engine Coolant Temperature Denial
E021	High Engine Coolant Temperature Warning
E022	High Engine Coolant Temperature Denial
E023	High Engine Coolant Temperature Warning
E024	High Engine Coolant Temperature Denial
E025	High Engine Coolant Temperature Warning
E026	High Engine Coolant Temperature Denial
E027	High Engine Coolant Temperature Warning
E028	High Engine Coolant Temperature Denial
E029	High Engine Coolant Temperature Warning

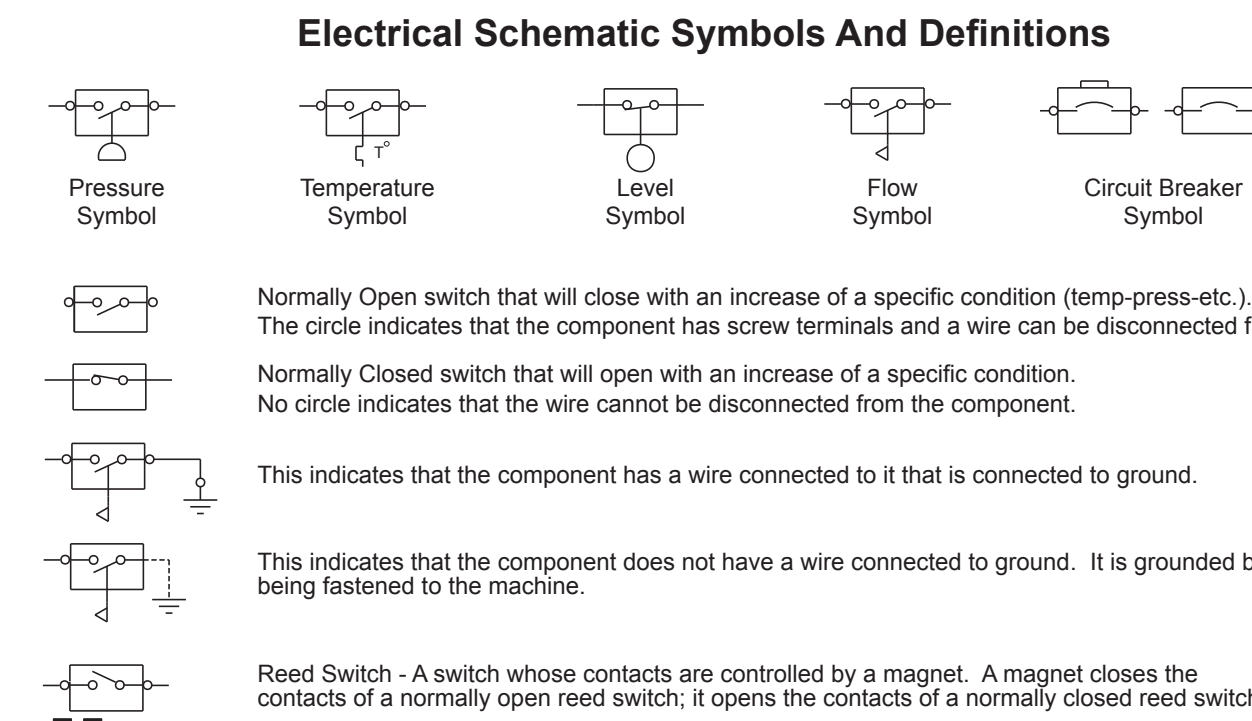
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E014	High Engine Coolant Temperature Shutdown
E015	High Engine Coolant Temperature Denial
E016	High Engine Coolant Temperature Shutdown
E017	High Engine Coolant Temperature Warning
E018	High Engine Coolant Temperature Denial
E019	High Engine Coolant Temperature Warning
E020	High Engine Coolant Temperature Denial
E021	High Engine Coolant Temperature Warning
E022	High Engine Coolant Temperature Denial
E023	High Engine Coolant Temperature Warning
E024	High Engine Coolant Temperature Denial
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E026	High Engine Coolant Temperature Denial
E027	High Engine Coolant Temperature Warning
E028	High Engine Coolant Temperature Denial
E029	High Engine Coolant Temperature Warning



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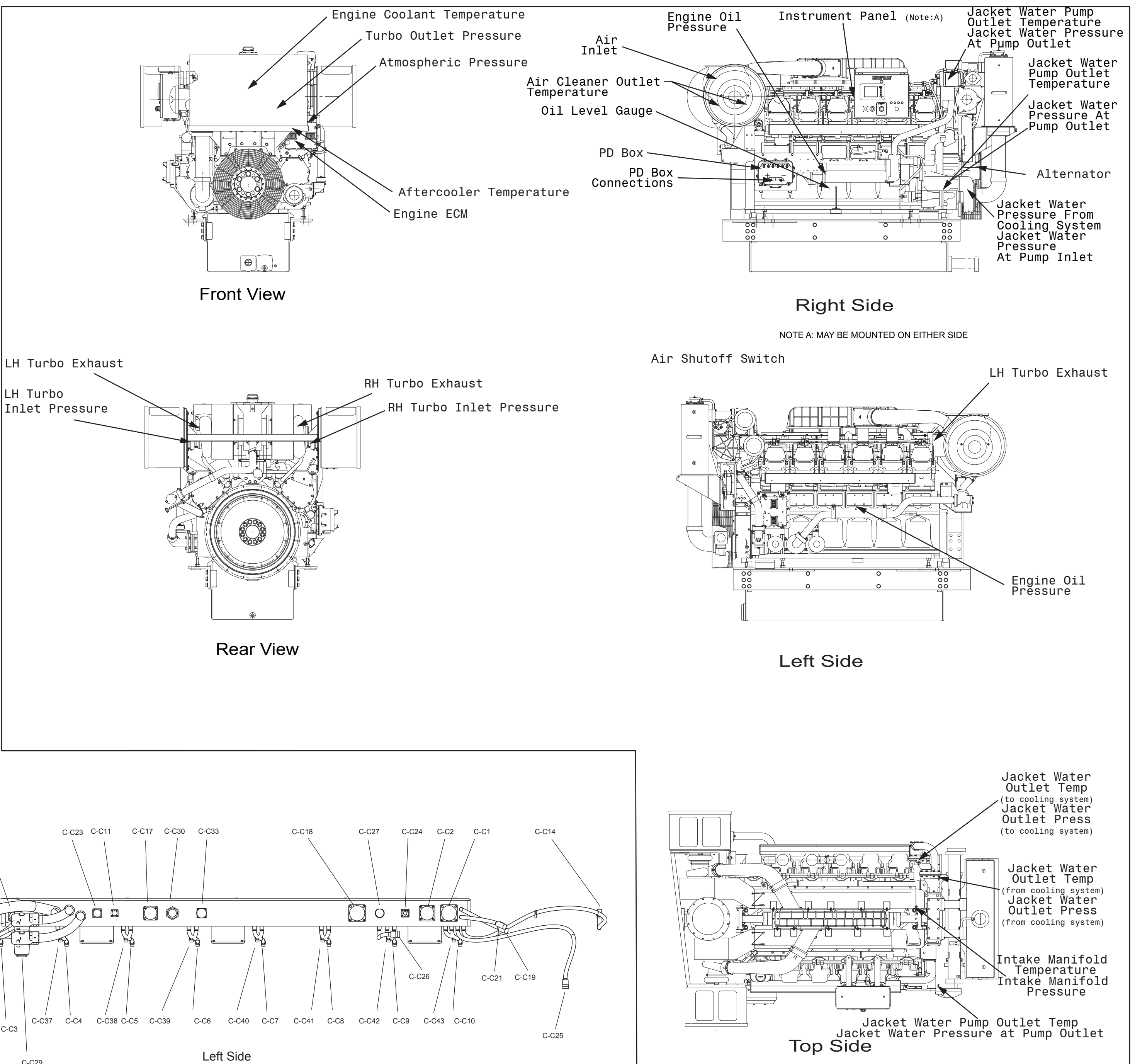
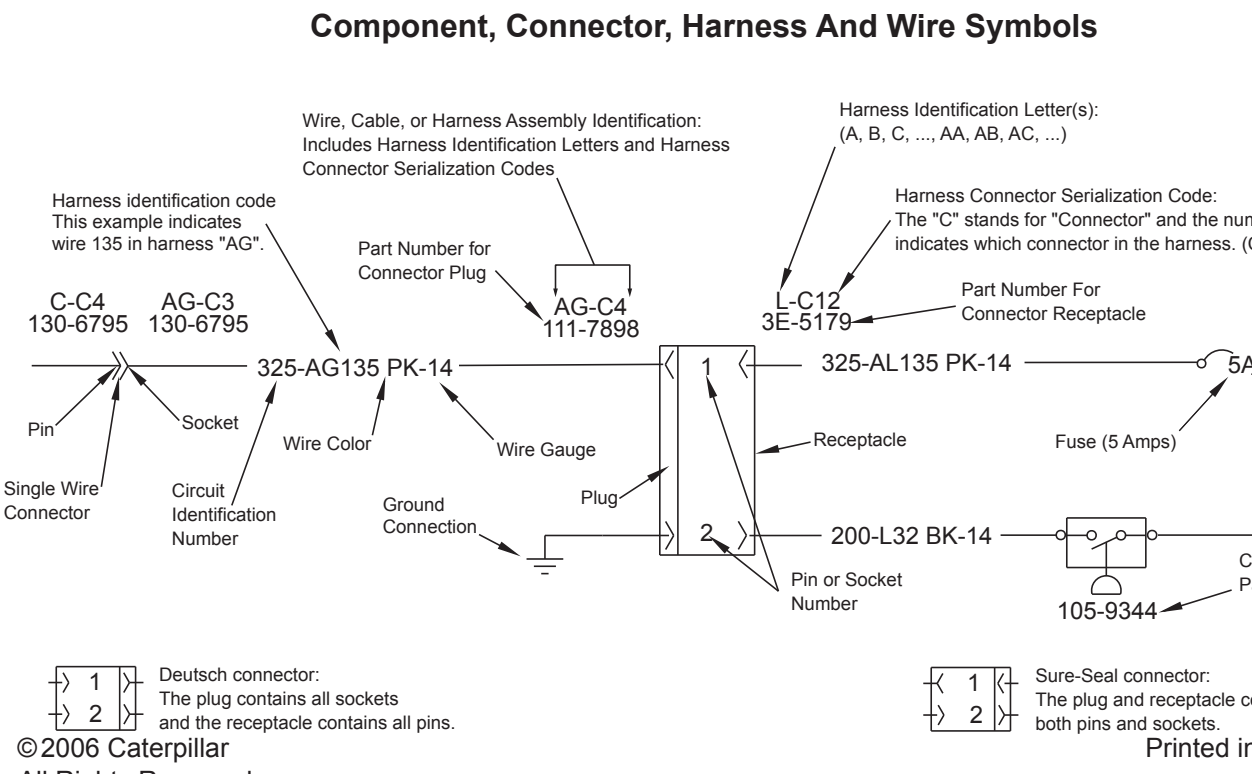
KENR5951
May 2006



Schematic

3500B Series II Engine For Marine Auxiliary Electrical System

S2A1-115
S2B1-165
S2G1-100
S2H1-140
S2P1-105
S2R1-142



Time	Form Number
10/01/00	95302
10/01/00	RENS004

3512/3516 Rail Harness Connectors

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