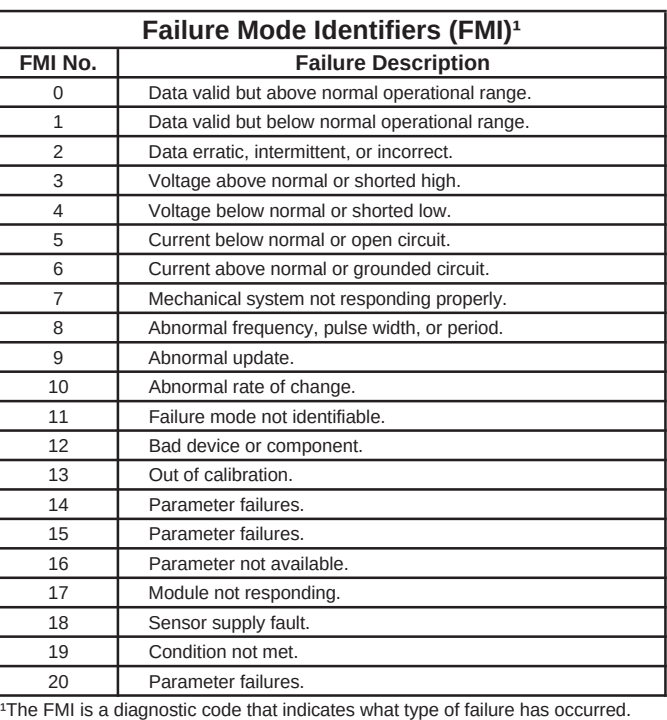
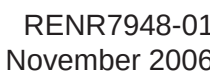
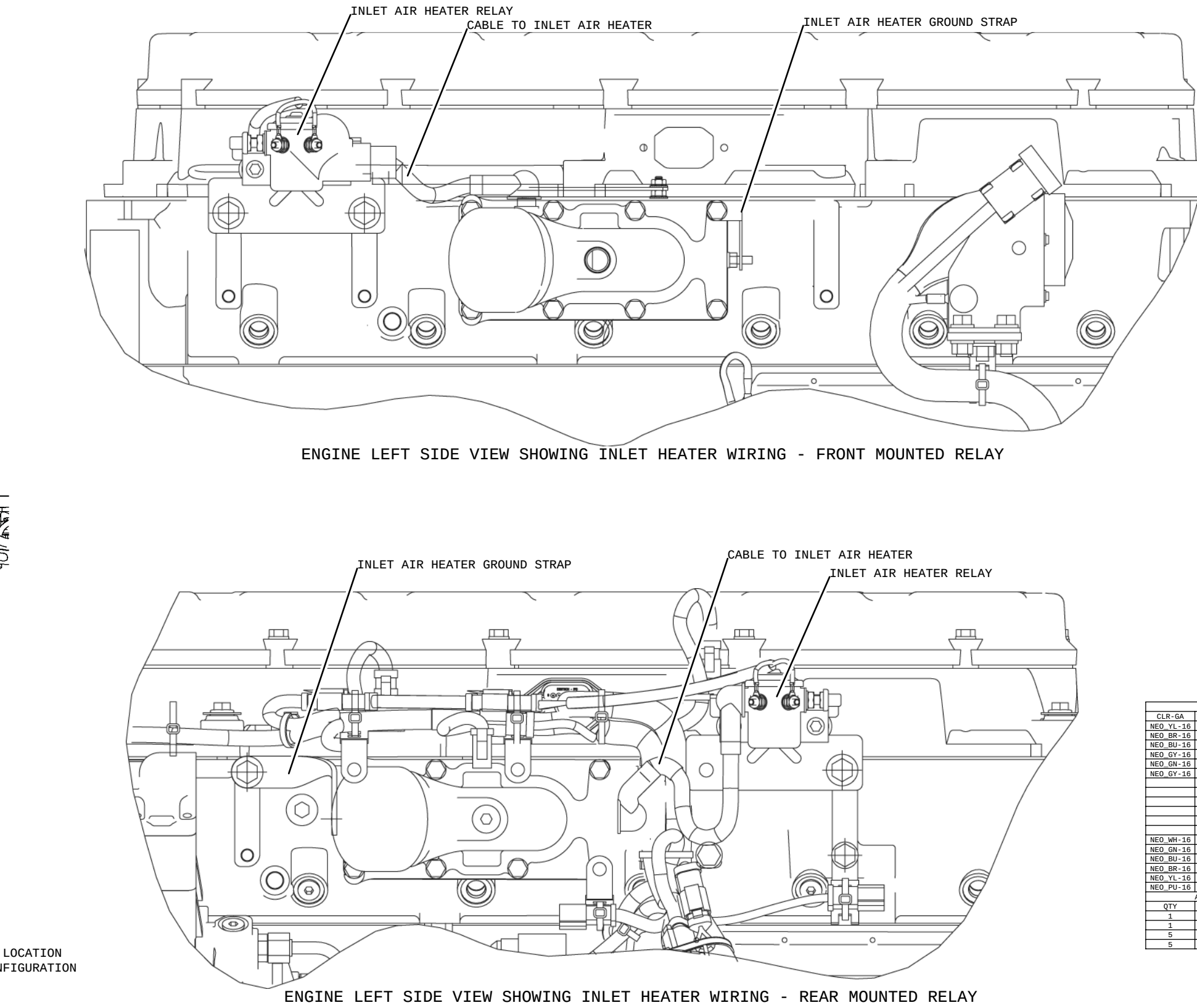
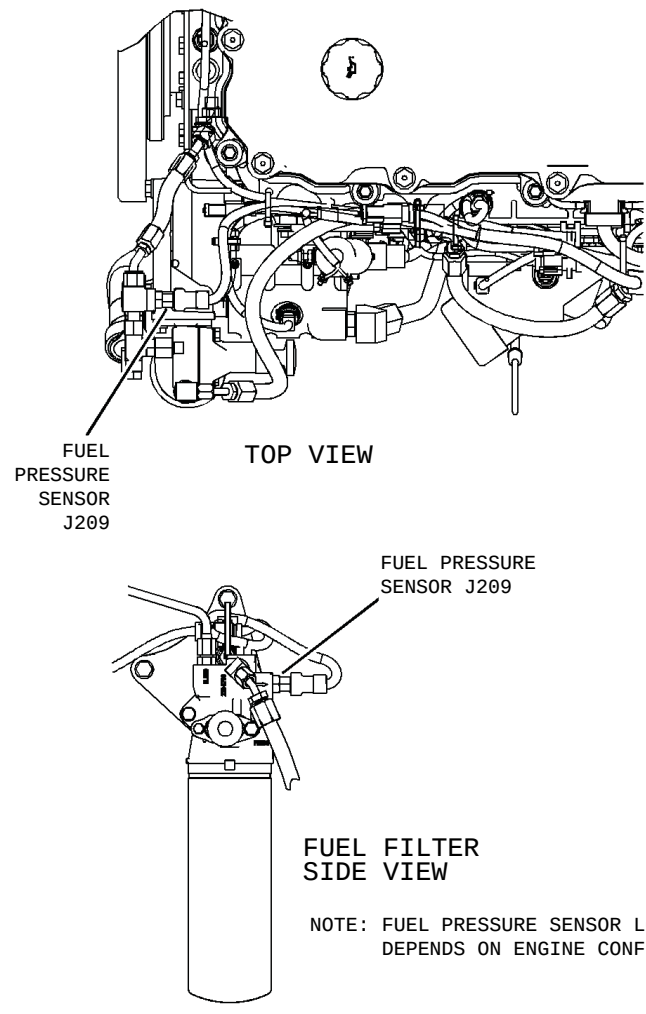
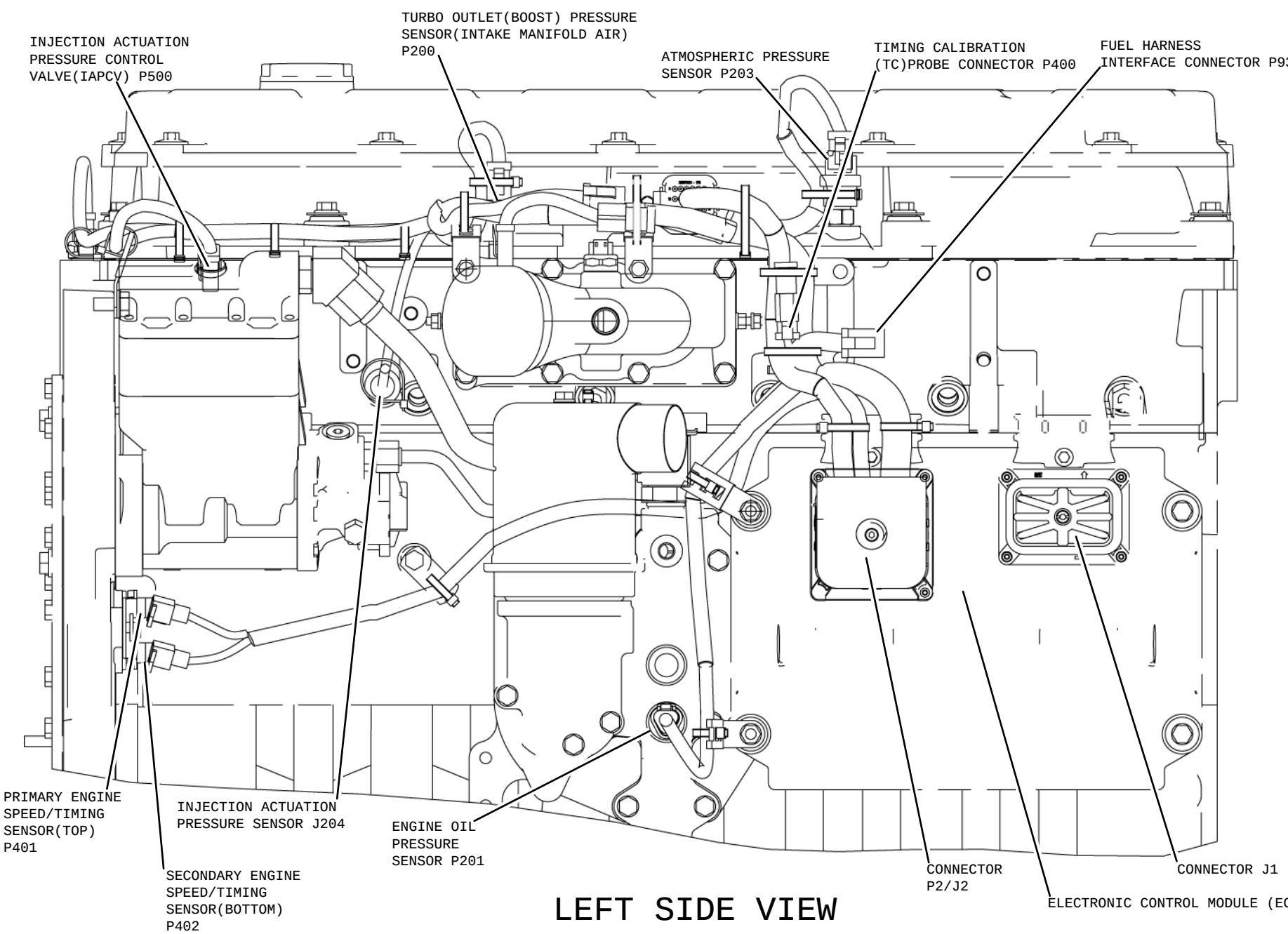
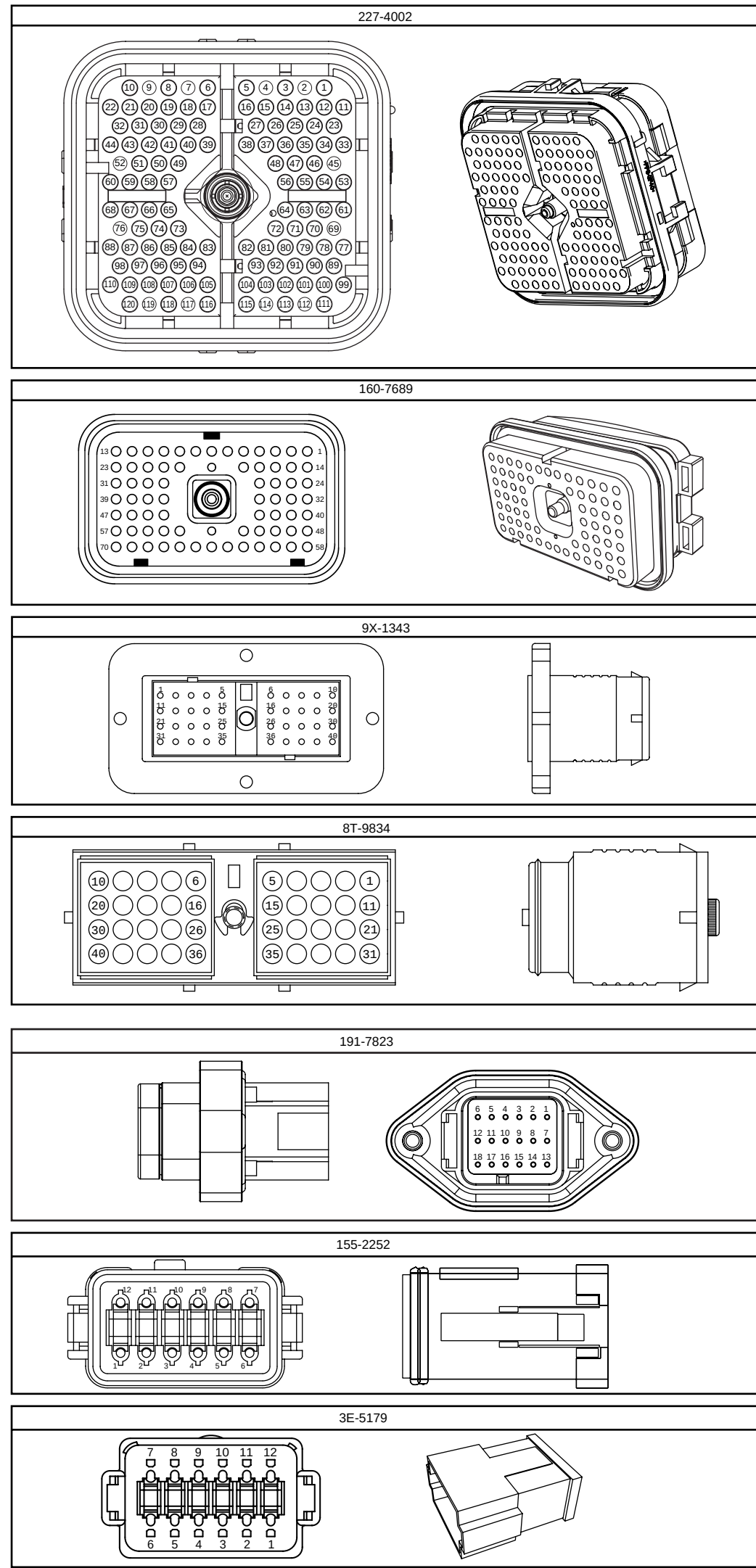




Related Electrical Service Manuals	
Title	Form Number
Troubleshooting	REN2418
Systems Operation / Testing and Adjusting	REN7597
Operation and Maintenance Manual	SEBU7772

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CONNECTOR TABLES FOR HARNESS 227-3812

2003					NOT USED				
CLR-A	WIDE NAME	POS	TEMP/PLUG		CLR-A	WIDE NAME	POS	TEMP/PLUG	
PK-10	1725-983	2	300-9339		MF-18	1725-983	2	300-9340	
PK-16	1625-983	2	300-9339		PU-18	N767-1N1	2	300-9340	
W6-10	1725-983	2	300-9339		ACCESSORY TABLE				
PD-10	1625-983	2	300-9339		20086H	PLUG A	5	595-2209	
W6-10	1625-983	5	300-9339			PLUG A	5	595-2209	
SW-16	1625-982	6	300-9339		20086H	PLUG/FWD	154	1604-883	
PK-16	15991-93	6	87-8737			WEDGE	154	2201-1	
ACCESSORY TABLE					NOT USED				
CLR	PART NAME	P/N			CLR	PART NAME	P/N		
20086H	PLUG A	5	595-2209		VC-18	F423-1A4	2	300-9340	
20086H	PLUG/FWD	154	1604-883		VC-18	F423-1A4	2	300-9340	
3	WEDGE	154	2201-1		PK-18	N767-1N1	2	300-9340	
ACCESSORY TABLE					ACCESSORY TABLE				
CLR	PART NAME	P/N			CLR	PART NAME	P/N		
20086H	PLUG A	5	595-2209		20086H	PLUG A	5	595-2209	
20086H	PLUG/FWD	154	1604-883			WEDGE	154	2201-1	
3	WEDGE	154	2201-1			WEDGE	154	2201-1	

CONNECTOR TABLES FOR HARNESS 263-773:

2000				2000			
CLR-CA	WIRE NAME	POS	TEMP/FILG	CLR-CA	WIRE NAME	POS	TEMP/FILG
		1	CLT-87337			1	180-6229
		2	CLT-87327			2	180-6229
		3	CLT-87327			3	180-6229
		4	CLT-87327			4	180-6229
		5	CLT-87327			5	180-6229
		6	CLT-87327			6	180-6229
		7	CLT-87327			7	180-6229
		8	CLT-87327			8	180-6229
		9	CLT-87327			9	180-6229
		10	CLT-87327			10	180-6229
		11	CLT-87327			11	180-6229
		12	CLT-87327			12	180-6229
		13	CLT-87327			13	180-6229
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		16	CLT-87327			16	180-6229
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		22	CLT-87327			22	180-6229
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		201	CLT-87327			201	180-6229
		202	CLT-87327			2	

CONNECTOR TABLES FOR HARNESS 257-7274

J03					J209				
CLR-GA	WIRE NAME	POS	TERM/P/LNO		CLR-GA	WIRE NAME	POS	TERM/P/LNO	
		1	07-8737		WH-19	6620-MS	B	180-0320	
		2	07-8737		GA-19	6620-MS	B	180-0320	
		3	07-8737		PK-18	6631-M7	C	180-0309	
		4	07-8737						
WH-15	6620-MS	5	180-0320						
GA-15	6620-MS	6	180-0320						
PK-15	6631-M7	7	180-0320						
		8	07-8737						
ACCESSORY TABLE					ACCESSORY TABLE				
QTY	PART NAME	P/N			QTY	PART NAME	P/N		
1	RECEPTACLE AS	3C-3378			1	RECEPTACLE AS	3C-3378		
200mm	PAINT/PRD	110-2282			200mm	PAINT/PRD	110-2282		
1	WEDGE	3C-2169			1	WEDGE	3C-2169		

CONNECTOR TABLES FOR HARNESS 215-3249[illegible]CONNECTOR TABLES FOR HARNESS 235-8202[illegible]

Item	Part	QTY	PLU, AL, A	100	250	500	1000	2000	4000	8000	16000	32000	64000	128000	256000	512000	1024000	2048000	4096000	8192000	16384000	32768000	65536000	131072000	262144000	524288000	1048576000	2097152000	4194304000	8388608000	16777216000	33554432000	67108864000	134217728000	268435456000	536870912000	1073741824000	2147483648000	4294967296000	8589934592000	17179869184000	34359738368000	68719476736000	137438953472000	274877906944000	549755813888000	1099511627776000	2199023255552000	4398046511104000	8796093022208000	17592186044416000	35184372088832000	70368744177664000	140737488355328000	281474976710656000	562949953421312000	1125899906842624000	2251799813685248000	4503599627370496000	9007199254740992000	18014398509481984000	36028797018963968000	72057594037927936000	144115188075855872000	288230376151711744000	576460752303423488000	1152921504606846976000	2305843009213693952000	4611686018427387904000	9223372036854775808000	18446744073709551616000	36893488147419103232000	73786976294838206464000	147573952589676412928000	295147905179352825856000	590295810358705651712000	1180591620717411303424000	2361183241434822606848000	4722366482869645213696000	9444732965739290427392000	18889465931478580854784000	37778931862957161709568000	75557863725914323419136000	151115727451828646838272000	302231454903657293676544000	604462909807314587353088000	1208925819614629174706176000	2417851639229258349412352000	4835703278458516698824704000	9671406556917033397649408000	19342813113834066795298816000	38685626227668133590597632000	77371252455336267181195264000	154742504910672534362390528000	309485009821345068724781056000	618970019642690137449562112000	1237940039285380274899124224000	2475880078570760549798248448000	4951760157141521099596496896000	9903520314283042199192993792000	19807040628566084398385987584000	39614081257132168796771975168000	79228162514264337593543950336000	158456325028528675187087900672000	316912650057057350374175801344000	633825300114114700748351602688000	1267650600228229401496703205376000	2535301200456458802993406410752000	5070602400912917605986812821504000	10141204801825835211973625643008000	20282409603651670423947251286016000	40564819207303340847894502572032000	81129638414606681695789005144064000	162259276829213363391578010288128000	324518553658426726783156020576256000	649037107316853453566312041152512000	1298074214633706907132624082305024000	2596148429267413814265248164610048000	5192296858534827628530496329220096000	10384593717069655257060992658440192000	20769187434139310514121985316880384000	41538374868278621028243970633760768000	83076749736557242056487941267521536000	166153499473114484112975882535043072000	332306998946228968225951765070086144000	664613997892457936451903530140172288000	1329227995784915872903807060280344704000	2658455991569831745807614120560689408000	5316911983139663491615228241121378816000	10633823966279326983230456482242757632000	21267647932558653966460912964485515264000	42535295865117307932921825928971030528000	85070591730234615865843651857942061056000	170141183460469231731687303715884122112000	340282366920938463463374607431768244224000	680564733841876926926749214863536488448000	1361129467683753853853498429727072976896000	2722258935367507707706996859454145953792000	5444517870735015415413993718908291907584000	10889035741470030830827987437816583815168000	21778071482940061661655974875633167630336000	43556142965880123323311949751266335260672000	87112285931760246646623899502532670521344000	174224571863520493293247799005065341042688000	34844914
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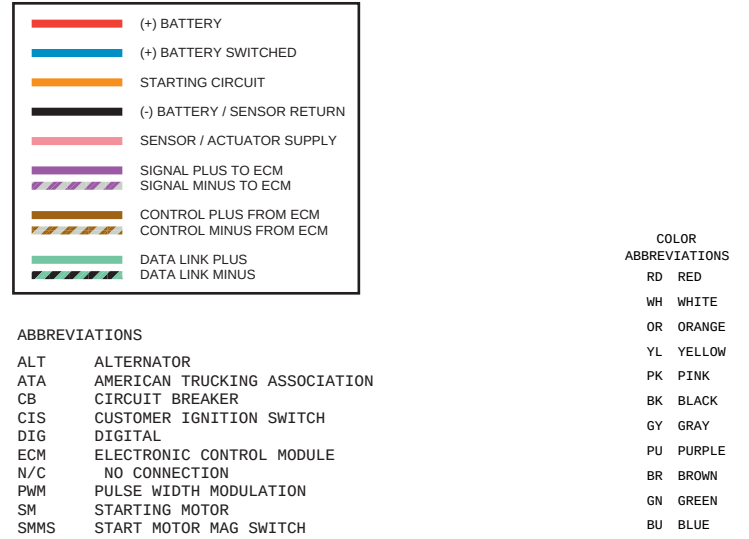
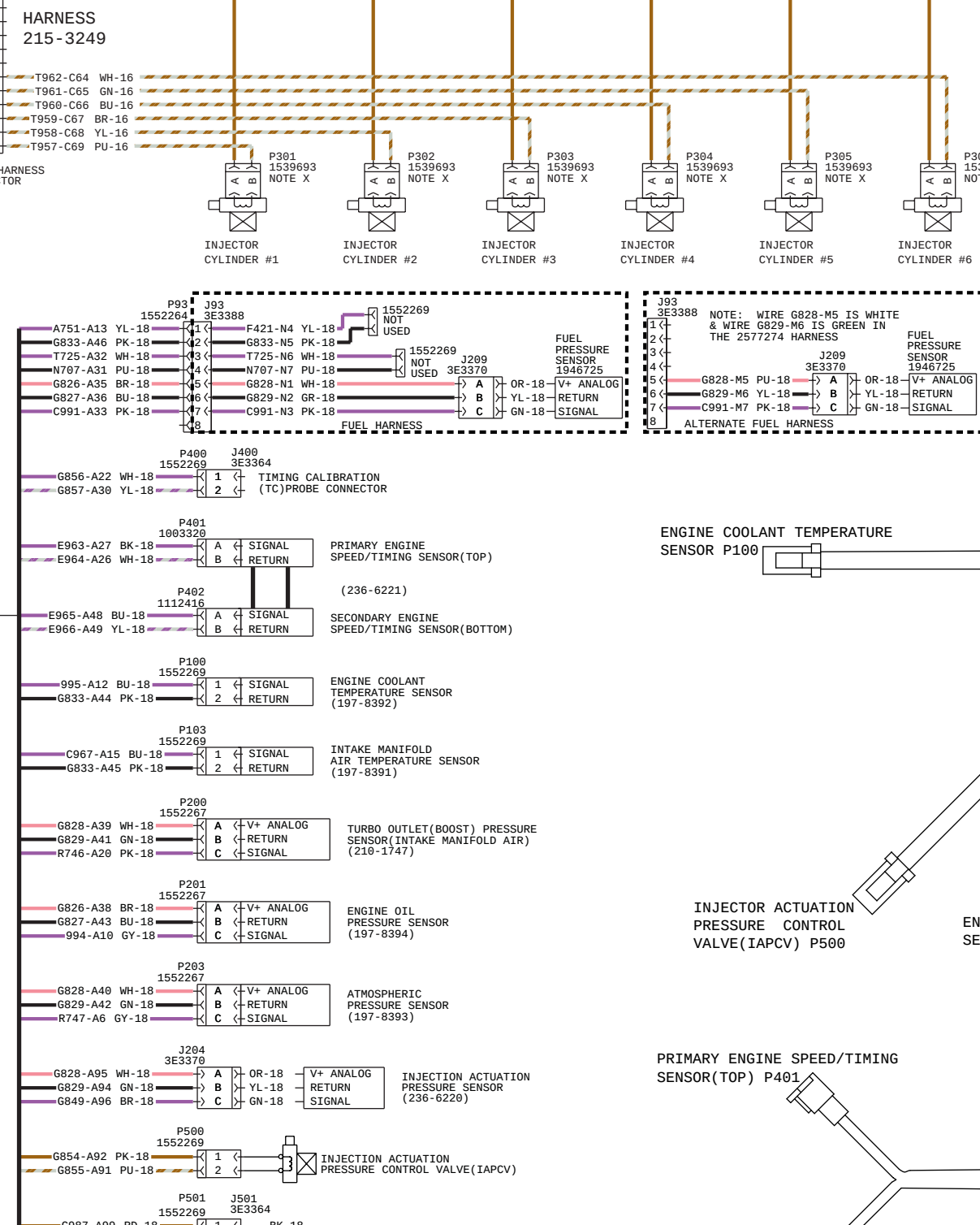
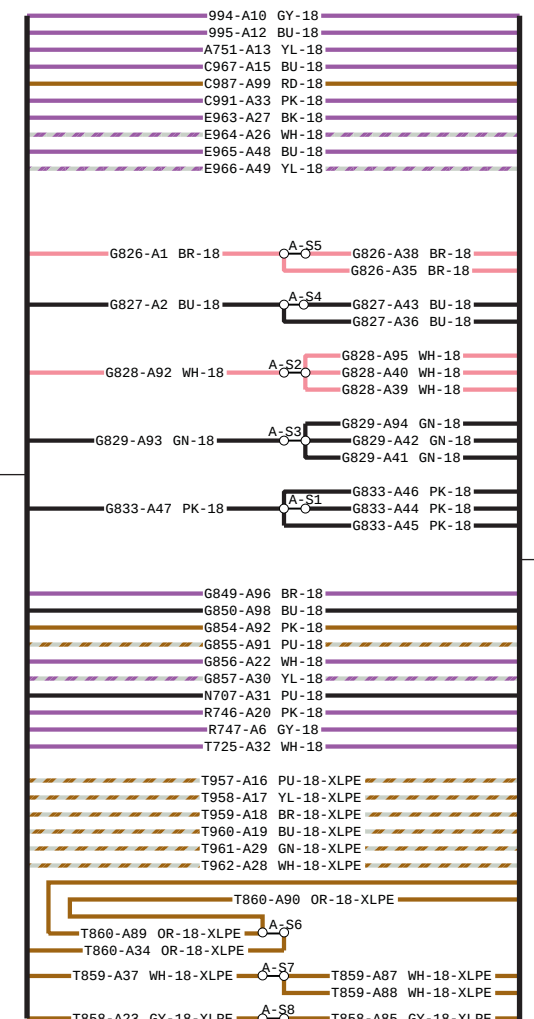
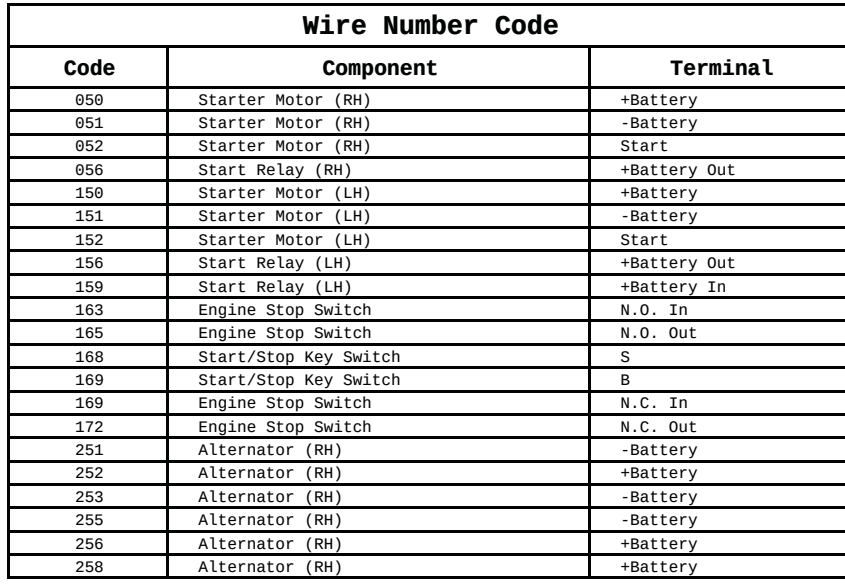
[illegible][illegible]

		P93				2400			
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[illegible]

96	01-10-21-21	QTY	PART NAME	P/N
97	01-10-21-21	1	PLUG, A3	155-2289
98	01-10-21-21	20000	PAINT/PRG	110-1292
99	01-10-21-21	5	MOOSE	155-2261
100-130	01-10-11-PLT	1000-1300		
P103				
131	01-10-21-21	CLR-6A	KTR NAME	POS
132	01-10-21-21	CLR-6A	KTR NAME	POS
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372	01-10-21-21	CLR-6A	KTR NAME	POS</

WS-18-3LFT	T203-A20	167	180-2348	QTY	PART NAME	P/N
WS-18-3LFT	T200-A35	168	180-2349	5	PLUS AS	155-2269
				2000AS	PAINT/PRO	118-2352
				1	MEDGE	155-2281
PROB						
WS-18-3LFT	T203-A37	115	180-2346	CL-5-A	MSK NAME	PQS
				1	TERMIN	PLUS
WS-18-3LFT	T207-A16	116	180-2348	PL-18	GRSE CARD	1
VS-18-3LFT	T203-A17	128	180-2348	PL-18	GRSE CARD	1
				ACCESSORY TABLE		
				QTY	PART NAME	P/N
	ACCESSORY TABLE	328	187-8737	2000AS	PLUS AS	155-2269
QTY	PART NAME	1	187-8737	2000AS	PAINT/PRO	118-2352
	PLUS AS	227-0902		5	MEDGE	155-2281
	180BL-1	231-0883				
100mm	ALUM-PRO	118-2352				



NOTE A: THE CLOSETHER CONNECTION BRACKET/ GROUND STUD MUST HAVE A DIRECT MIRE CONNECTION TO BATTERY (-).

NOTE B: REFER TO THE INSTALLATION GUIDE FOR ADDITIONAL INSTALLATION DETAIL.

NOTE C: MEASURE LENGTH DATA OF THE WIRE (TERMINATION RESISTOR TERMINAL TO TERMINATION RESISTOR) IS 40 METERS

NOTE D: PLACE APPROPRIATE CIRCUIT PROTECTION PER ASE 10399 SPECIFICATIONS FOR ALL 10399 DATA LINK CONNECTIONS

NOTE K: IF THE SHOOTING SIGNAL IS NOT RECEIVED TO BATTERY (-) THE ECK DISPLAYS THE FUEL INJECTION SIGNAL. THIS ACTION CAUSES THE ENGINE TO SHUTDOWN WHILE LEAVING THE ECK POWERED TO MONITOR ENGINE DIAGNOSTICS.

NOTE V: THE FUEL INJECTION SIGNAL IS RECEIVED TO THE ECK FROM THE SHOOTING SIGNAL ON RELAY COILS AND SOLENOID COILS.

NOTE M: WIRING FOR DESIRED SPEED CONTROL DETERMINED BY APPLICATION.

NOTE P: FOR DESIRED SPEED CONTROL OPTIONS, REFER TO THE ELECTRONIC INSTALLATION GUIDE.

NOTE X: USE KIT 156-7106 WHEN REPLACING CONTROL 153-0693.

REFER TO SHOOTING SIGNAL WIRING FOR ADDITIONAL INFORMATION.

NO ADDITIONAL CONNECTIONS ARE ALLOWED TO ANY WIRES WITHOUT CATERPILLAR ENGINEERING APPROVAL

UNLESS OTHERWISE SPECIFIED:
ALL WIRES TO BE 16 AWG OR LARGER SAE J1120 TYPE SXL OR EQUIVALENT, FOR TWISTED PAIR SPECIFICATION SEE SAE J1708

ELIMINATION OF ANY COMPONENTS SHOWN WILL DISABLE CERTAIN ELIMINATION FEATURES. CONTACT CATERPILLAR ENGINEERING WHEN CONSIDERING COMPONENT REMOVAL

THIS SCHEMATIC IS FOR THE C9 INDUSTRIAL ENGINE (S/N JSC. MBD)

IDENT	HARNES	CHG	
FOR: C9 ACERT			
A	235-8202	04	(EXTERNAL) ENGINE MASTER HARNESS
C	215-3249	03	(INTERNAL) INJECTOR HARNESS
M	263-7731	00	FUEL HARNESS (CUSTOMER INSTALLED REMOTE FILTER)
M	257-7274	00	FUEL HARNESS (RIGHT SIDE FILTER)
N	227-3812	01	FUEL HARNESS (LEFT FRONT FILTER)