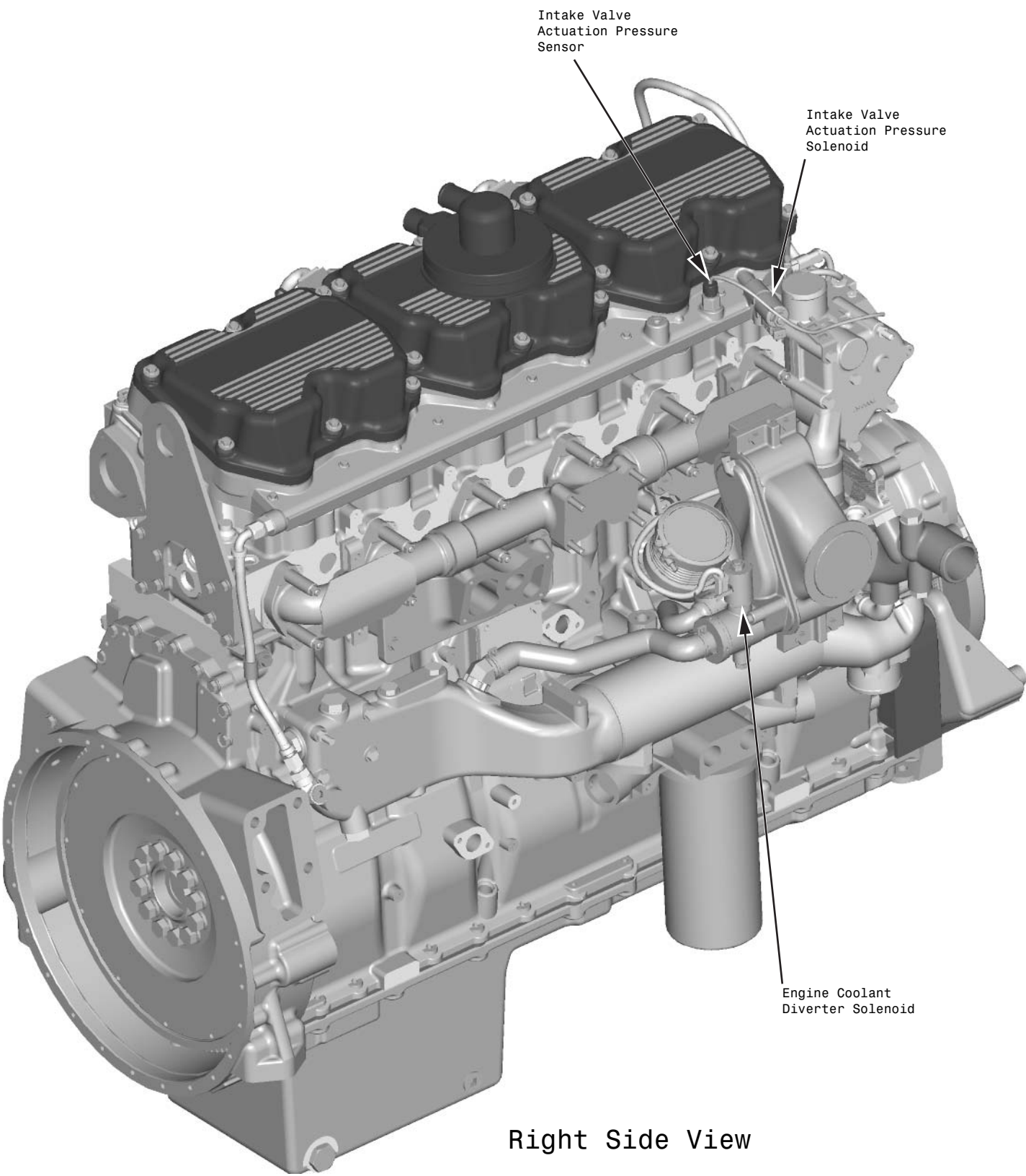
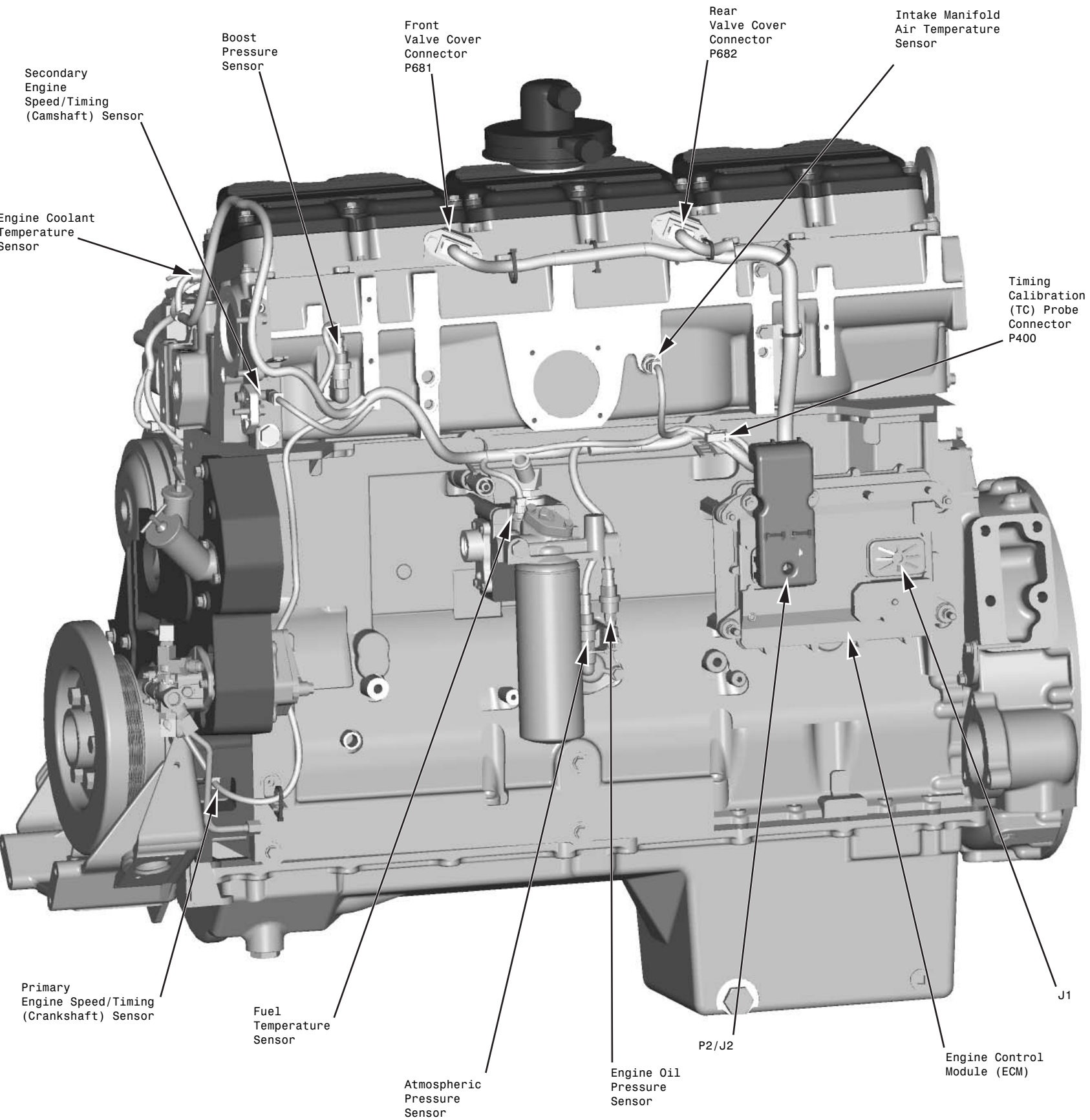
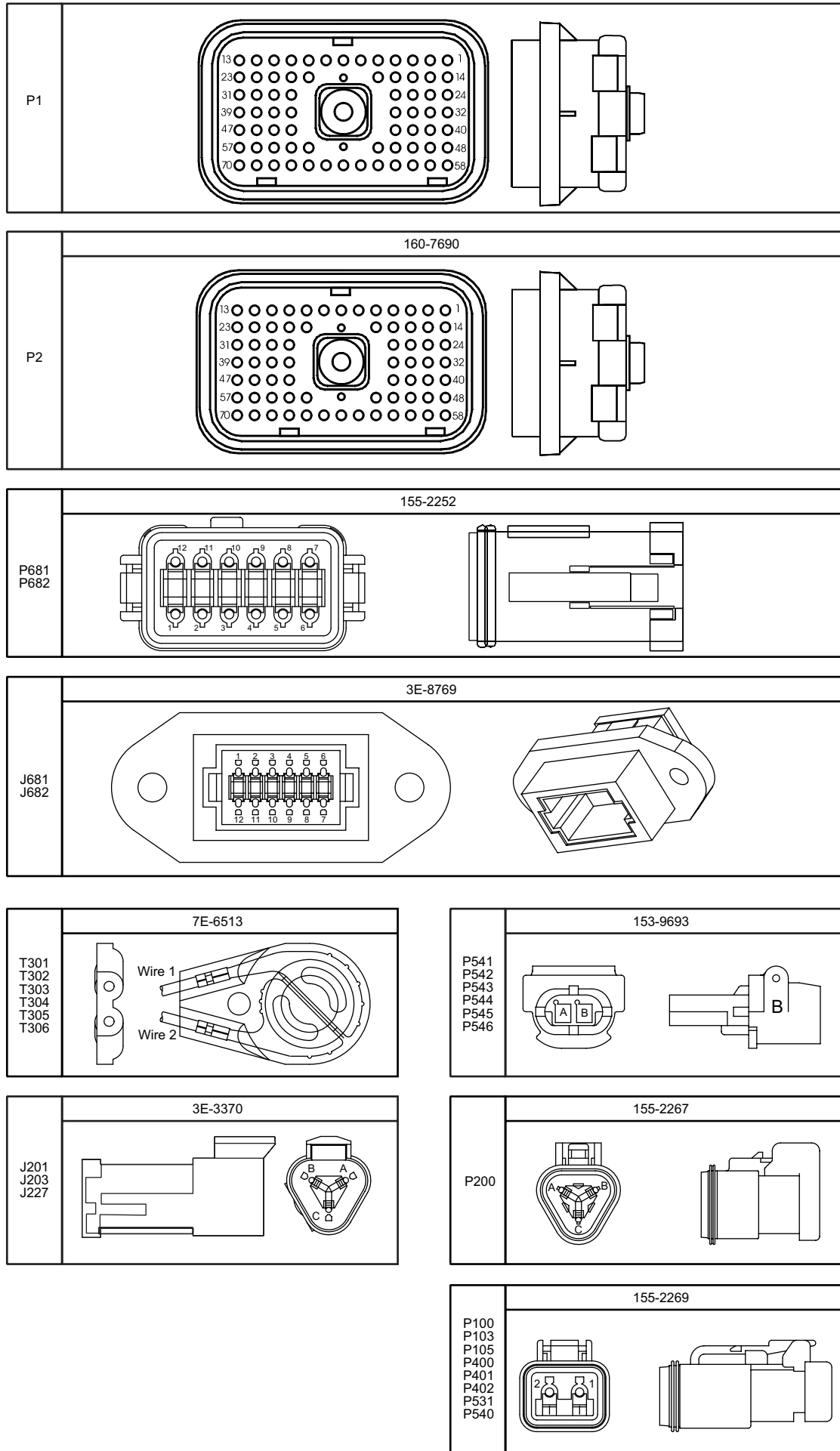




Right Side View



Left Side View



Connector Tables for Harness 241-3150 -01

P2				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G826-A1	1	BT-8737	
GR-18	G829-A2	2	180-9340	
GR-18	G829-A2	3	180-9340	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
5	BT-8737	155-2269		
6	BT-8737	110-3202		
7	BT-8737	155-2261		
200mm	PAINT/PRO	110-3202		
BU-16	T859-A34	8	180-9340	
BU-16	K739-A3	8	180-9340	
BR-16	K737-A4	10	180-9340	
GR-16	K738-A5	11	180-9340	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
12	BT-8737	155-2261		
13	BT-8737	155-2261		
17	BT-8737	155-2261		
18	BT-8737	155-2261		
19	BT-8737	155-2261		
20	BT-8737	155-2261		
21	BT-8737	155-2261		
22	BT-8737	155-2261		
23	BT-8737	155-2261		
24	BT-8737	155-2261		
25	BT-8737	155-2261		
26	BT-8737	155-2261		
27	BT-8737	155-2261		
28	BT-8737	155-2261		
29	BT-8737	155-2261		
30	BT-8737	155-2261		
31	BT-8737	155-2261		
32	BT-8737	155-2261		
33	BT-8737	155-2261		
34	BT-8737	155-2261		
35	BT-8737	155-2261		
36	BT-8737	155-2261		
37	BT-8737	155-2261		
38	BT-8737	155-2261		
39	BT-8737	155-2261		
40	BT-8737	155-2261		
41	BT-8737	155-2261		
42	BT-8737	155-2261		
43	BT-8737	155-2261		
44	BT-8737	155-2261		
45	BT-8737	155-2261		
46	BT-8737	155-2261		
47	BT-8737	155-2261		
48	BT-8737	155-2261		
49	BT-8737	155-2261		
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51	BT-8737	155-2261		
52	BT-8737	155-2261		
53	BT-8737	155-2261		
54	BT-8737	155-2261		
55	BT-8737	155-2261		
56	BT-8737	155-2261		
57	BT-8737	155-2261		
58	BT-8737	155-2261		
59	BT-8737	155-2261		
60	BT-8737	155-2261		
61	BT-8737	155-2261		
62	BT-8737	155-2261		
63	BT-8737	155-2261		
64	BT-8737	155-2261		
65	BT-8737	155-2261		
66	BT-8737	155-2261		
67	BT-8737	155-2261		
68	BT-8737	155-2261		
69	BT-8737	155-2261		
70	BT-8737	155-2261		
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	180-9340		
4	BT-8737	155-2261		
200mm	PAINT/PRO	110-3202		
1	ENDRELL	185-3599		

P100				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
BU-18	G92-A1	1	180-9340	
BU-18	G93-A4	2	180-9340	
BU-18	G93-A4	3	180-9340	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	155-2269		
200mm	PAINT/PRO	110-3202		
1	WEDGE	155-2261		
P100				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A1	1	180-9340	
GR-18	G829-A1	2	180-9340	
GR-18	G829-A1	3	180-9340	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	155-2269		
200mm	PAINT/PRO	110-3202		
1	WEDGE	155-2261		
P100				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A3	A	180-9340	
GR-18	G829-A3	B	180-9340	
GR-18	G829-A3	C	180-9340	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J201				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A3	A	180-9339	
GR-18	G829-A3	B	180-9339	
GR-18	G829-A3	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
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J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
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200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
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GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
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200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
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200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
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GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
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200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
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GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		
1	PLUG AS.	36-3370		
200mm	PAINT/PRO	110-3202		
1	WEDGE	36-3371		
J203				
CLR-GA	WIRE NAME	POS	TERM/PLUG	
WH-18	G829-A4	A	180-9339	
GR-18	G829-A4	B	180-9339	
GR-18	G829-A4	C	180-9339	
ACCESSORY TABLE				
QTY	PART NAME	P/N		



SEN9697-01
August 2005

Schematic

C15 On-highway Engine Electrical System

BXS1-UP

Diagnostic Code Listing				
PID-FMI	Description	Flash Codes	PID-FMI	Description
N/A	No Diagnostic Codes Detected	55	0111-04	Coolant Level voltage low
0001-05	Cylinder #1 injector current low	72	0111-11	Very Low Coolant Level
0001-06	Cylinder #1 injector current high	72	0111-14	Low Coolant Level Warning
0002-05	Cylinder #2 injector current low	72	0121-05	Low/High Retarder current low
0002-06	Cylinder #2 injector current high	72	0121-06	Low/High Retarder current high
0003-05	Cylinder #3 injector current low	73	0122-05	Med/High Retarder current low
0003-06	Cylinder #3 injector current high	73	0122-06	Med/High Retarder current high
0004-05	Cylinder #4 injector current low	73	0166-14	Rated Engine Power Special Instructions
0004-06	Cylinder #4 injector current high	73	0168-01	Low ECM Battery Power
0005-05	Cylinder #5 injector current low	74	0168-02	ECM Battery Power Intermittent
0005-06	Cylinder #5 injector current high	74	0171-03	Ambient Air Temperature voltage high
0006-05	Cylinder #6 injector current low	74	0171-04	Ambient Air Temperature voltage low
0006-06	Cylinder #6 injector current high	74	0171-11	Ambient Air Temperature Data Lost
0022-11	Primary to Secondary Engine Speed Calibration	42	0174-03	Fuel Temperature voltage high
0022-13	Engine Speed Signal Calibration Not Performed	42	0174-04	Fuel Temperature voltage low
0030-08	PTO Throttle signal invalid	29	0180-00	Engine Overtemp Warning
0030-13	PTO Throttle out of calibration	29	0180-08	Primary Engine Speed Loss of Signal
0041-03	8 Volt Supply voltage high	21	0191-07	Transmission Not Responding
0041-04	8 Volt Supply voltage low	21	0243-02	Key Switch Fault
0043-02	Key Switch Fault	71	0244-11	Theft Deterrent Active
0052-11	Air Inlet Shutoff Shutdown	00	0244-14	Theft Deterrent Active with Engine Cranking
0054-05	Auxiliary Output #05 current low	66	0251-02	J1939 Data Incorrect
0054-06	Auxiliary Output #05 current high	66	0251-12	J1939 Device Not Responding
0055-05	Auxiliary Output #07 current low	67	0252-03	5 Volt Supply voltage high
0055-06	Auxiliary Output #07 current high	67	0252-04	5 Volt Supply voltage low
0064-08	Secondary Engine Speed Loss of signal	34	0246-11	Brake Pedal Switch #1 Fault
0071-00	Idle Shutdown Override	01	0247-11	Brake Pedal Switch #2 Fault
0071-01	Idle Shutdown	47	0252-11	Engine Software Incorrect
0071-14	PTO Shutdown	47	0253-02	Check Customer or System Parameters
0084-00	Vehicle Overtemp Warning	41	0253-11	Check Transmission Customer Parameters
0084-01	Vehicle Speed loss of signal	31	0283-05	Intake Valve Actuation System Oil Pressure Solenoid current high
0084-02	Vehicle Speed signal invalid	36	0283-06	Intake Valve Actuation System Oil Pressure Solenoid current low
0084-08	Vehicle Speed signal out of range	36	0283-07	Intake Valve Actuation Oil Pressure not responding
0084-10	Vehicle Speed signal rate of change	36	0284-05	Engine Coolant Diverter current low
0084-14	Quick Stop Occurrence	64	0284-06	Engine Coolant Diverter current high
0091-08	Throttle Position Invalid	32	0285-05	Intake Valve Actuator #1 current low
0091-13	Throttle Position out of calibration	32	0285-06	Intake Valve Actuator #1 current high
0100-01	Low Oil Pressure Warning	46	0285-07	Intake Valve Actuator #1 not responding
0100-03	Oil Pressure voltage high	24	0286-05	Intake Valve Actuator #2 current low
0100-04	Oil Pressure voltage low	24	0286-06	Intake Valve Actuator #2 current high
0100-11	Very Low Oil Pressure	46	0286-07	Intake Valve Actuator #2 not responding
0102-03	Boost Pressure voltage high	25	0287-05	Intake Valve Actuator #3 current low
0102-04	Boost Pressure voltage low	25	0287-06	Intake Valve Actuator #3 current high
0105-00	High Intake Manifold Air Temperature Warning	64	0287-07	Intake Valve Actuator #3 not responding
0105-03	Intake Manifold Air Temperature voltage high	38	0288-05	Intake Valve Actuator #4 current low
0105-04	Intake Manifold Air Temperature voltage low	38	0288-06	Intake Valve Actuator #4 current high
0105-11	Very High Intake Manifold Air Temperature	64	0289-07	Intake Valve Actuator #4 not responding
0108-03	Barometric Pressure voltage high	26	0289-05	Intake Valve Actuator #5 current low
0108-04	Barometric Pressure voltage low	26	0289-06	Intake Valve Actuator #5 current high
0110-00	High Coolant Temperature Warning	61	0289-07	Intake Valve Actuator #5 not responding
0110-03	Coolant Temperature voltage high	27	0290-05	Intake Valve Actuator #6 current low
0110-04	Coolant Temperature voltage low	27	0290-06	Intake Valve Actuator #6 current high
0110-11	Very High Coolant Temperature	61	0290-07	Intake Valve Actuator #6 not responding
0111-01	Low Coolant Level Warning	62	0385-01	Low Intake Valve Actuation System Oil Pressure
0111-02	Coolant Level signal invalid	12	0385-03	Intake Valve Actuation System Oil Pressure voltage high
0111-03	Coolant Level voltage high	12	0385-04	Intake Valve Actuation System Oil Pressure voltage low

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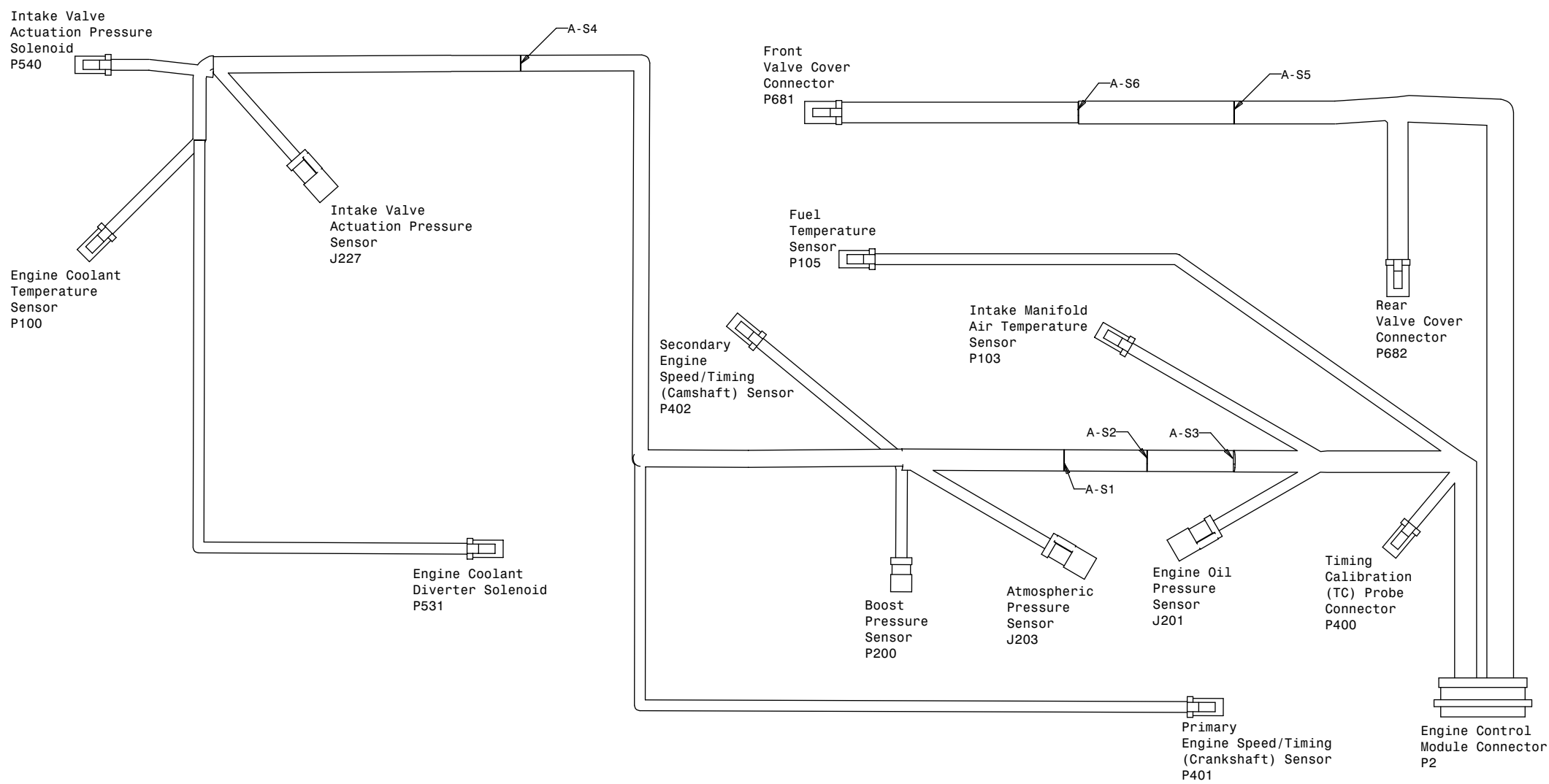
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Connector Tables for Harness 229-7366 -02

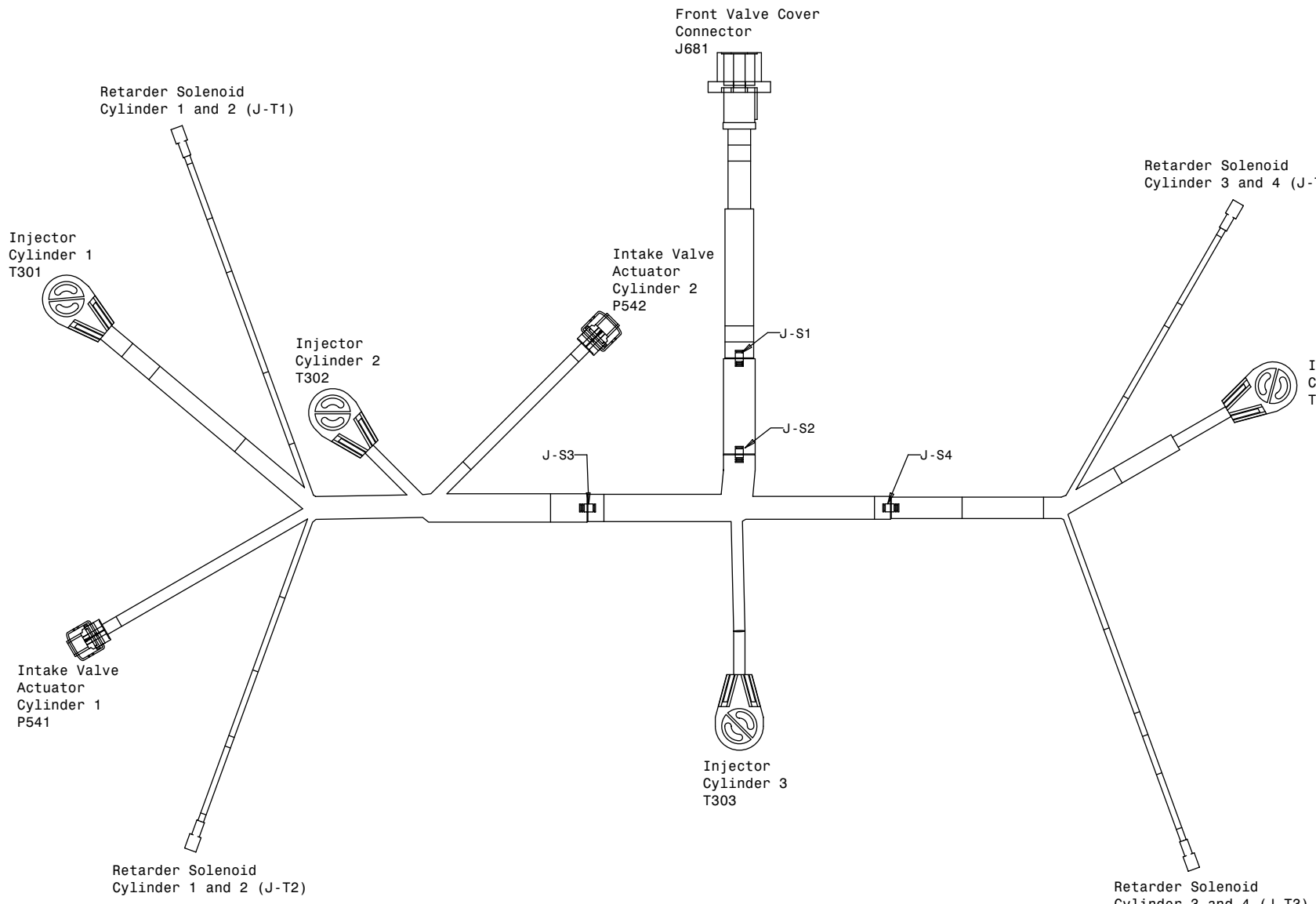
J682					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
BR-16	K737-E1	1	180-9339		
BU-16	K739-E2	2	180-9339		
GN-16	T961-E3	3	180-9339		
WH-16	T862-E4	4	180-9339		
GR-16	T860-E5	5	180-9339		
WH-16	T859-E6	6	180-9339		
BR-16	X984-E7	7	180-9339		
GR-16	X985-E10	8	180-9339		
BR-16	X987-E11	9	180-9339		
PU-16	X988-E12	10	180-9340		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			RECEPTACLE AS.	SC-0180	
1			WEDGE	SC-0186	

T305					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
GR-16	T961-E3	1	180-9339		
OR-16	T860-E17	2	180-9339		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			CONNECTOR AS.	7E-6513	
50mm			TUBE	112-8144	
T306					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
WH-16	T862-E4	1	180-9339		
OR-16	T860-E16	2	180-9339		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			CONNECTOR AS.	7E-6513	
50mm			TUBE	112-8144	
P643					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
GR-16	X989-E13	1	180-9339		
GR-16	X989-E13	2	154-2389		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			PLUG	154-2389	
1			PLUG	154-2769	
CL14					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
GR-16	X989-E13	1	154-2389		
GR-16	X989-E13	2	154-2389		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			PLUG	154-2389	
1			SEAL	154-0777	
1			SEAL	154-3769	
P645					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
GR-16	T856-E9	1	154-2389		
GR-16	T856-E9	2	154-2389		
PU-16	X988-E11	3	154-2389		
ACCESSORY TABLE					
QTY			PART NAME	P/N	
1			PLUG	155-9093	
1			SEAL	154-0777	
1			SEAL	154-3769	
P646					
CLR-GA	WIRE NAME	POS	TERM/PLUG		
GR-16	T856-E9	1	154-2389		
GR-16	T856-E9	2	154-2389		
PU-16	X988-E14	3	154-2389		
ACCESSORY TABLE					
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1			SEAL	154-0777	
1			CLIP	154-3769	

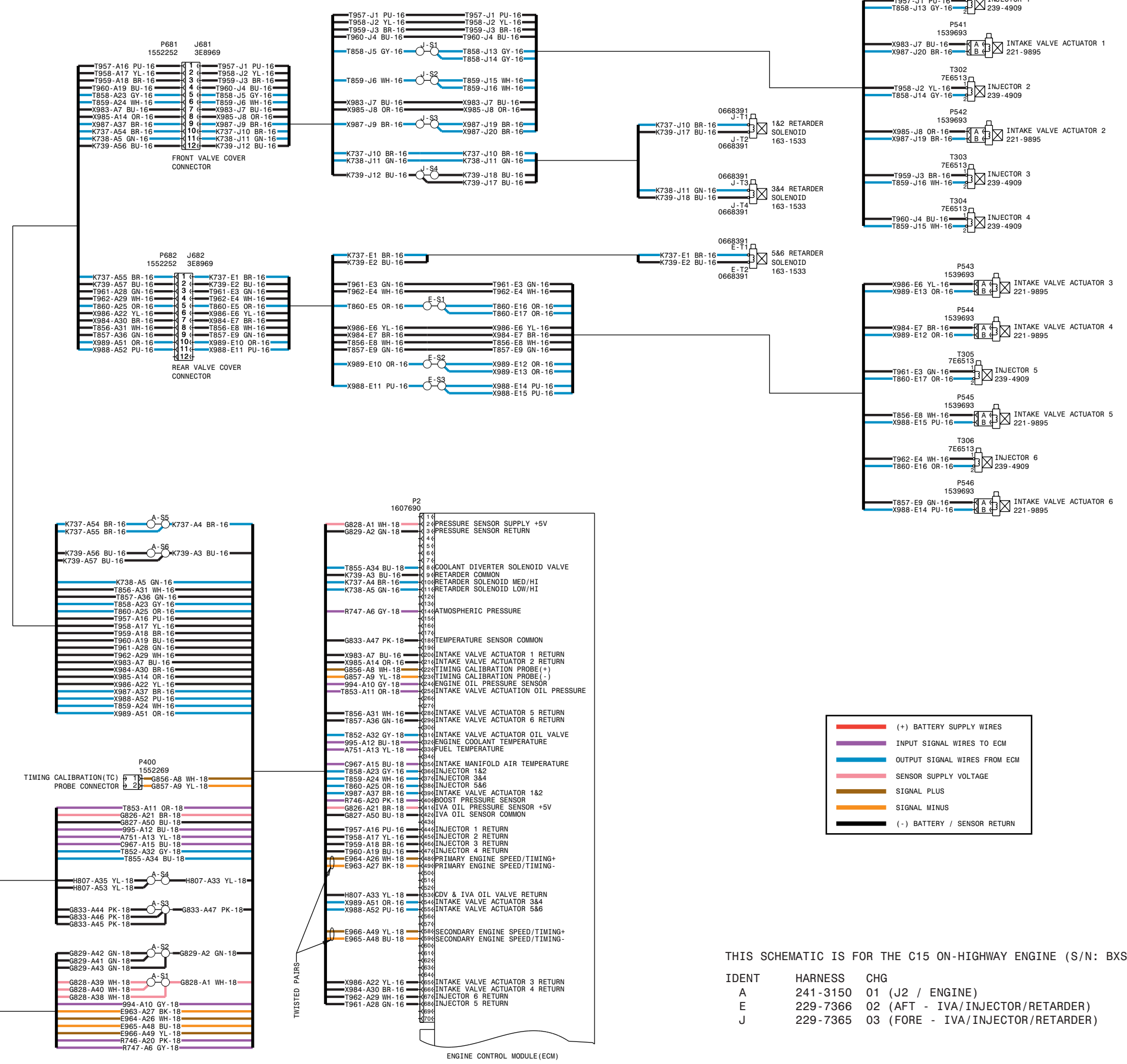
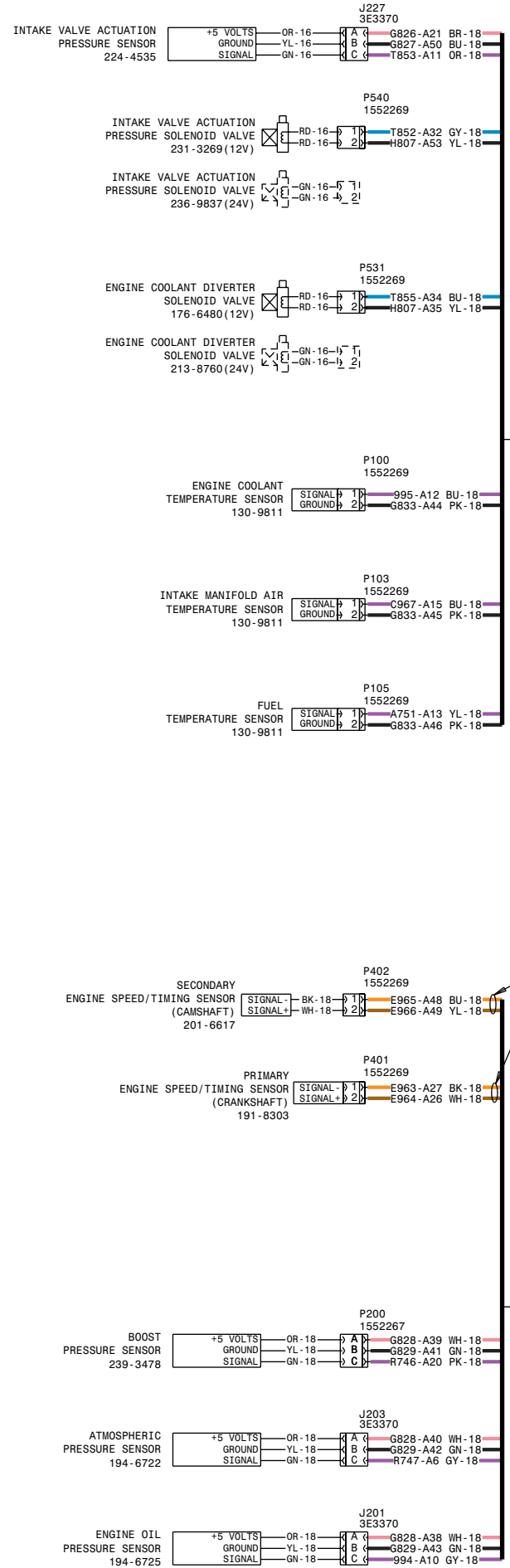
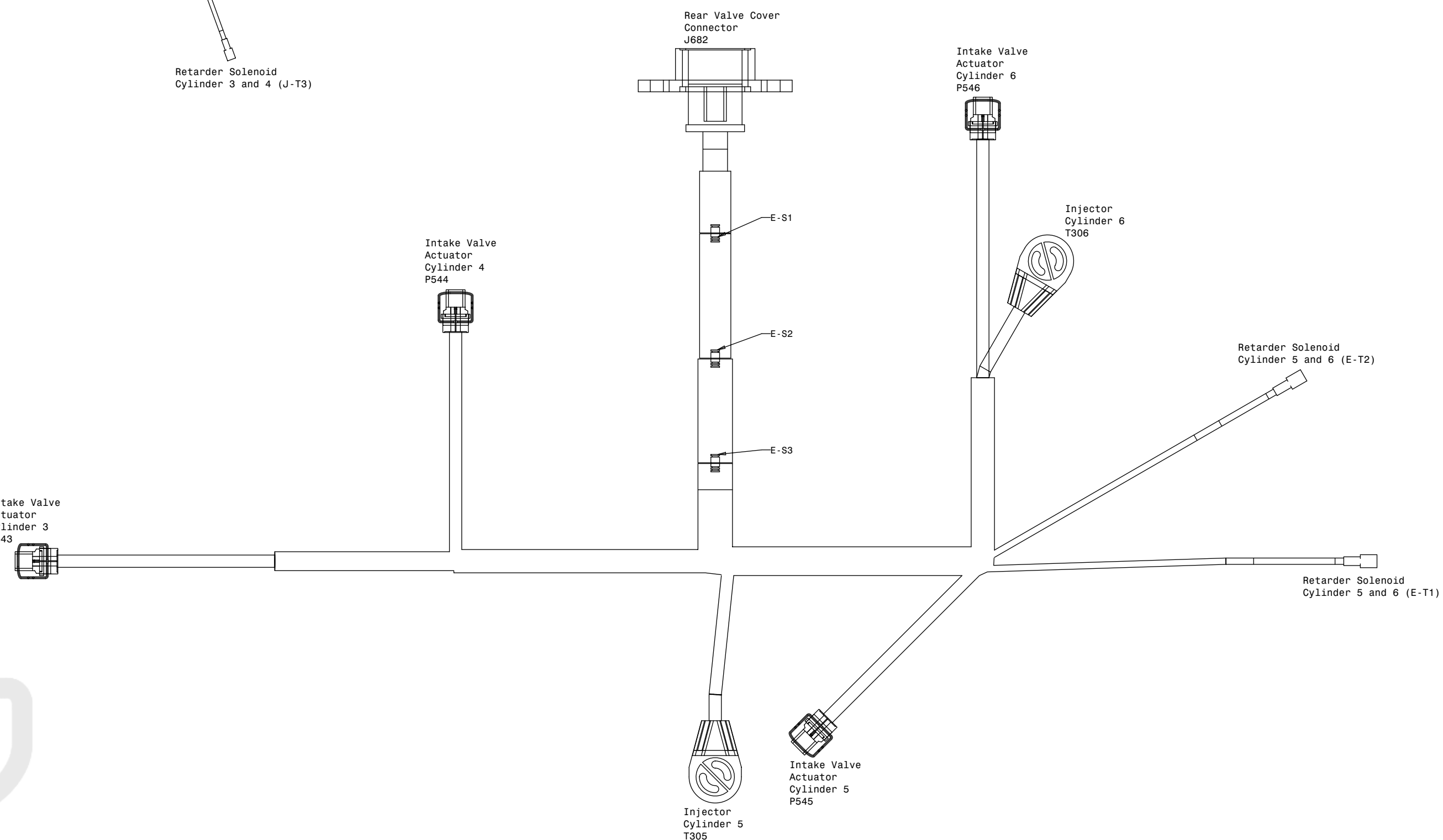
Connector and Splice Locations for Harness 241-3150 -01



Connector and Splice Locations for Harness 229-7365 -03



Connector and Splice Locations for Harness 229-7366 -02



THIS SCHEMATIC IS FOR THE C10 ON-HIGHWAY ENGINE (S/N: BXS)
IDENT HARNESS CHG
A 241-3150 01 (J2 / ENGINE)
E 229-7366 02 (AFT - IVA/INJECTOR/RETARDER)
J 229-7365 03 (FORE - IVA/INJECTOR/RETARDER)

