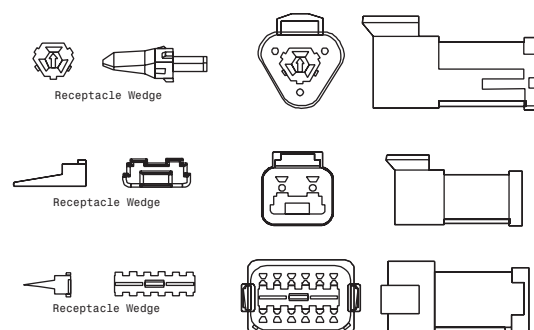
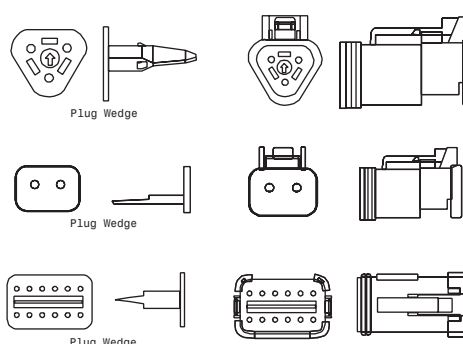


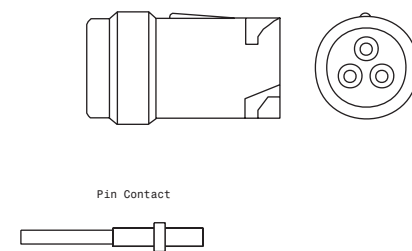
DT Connector Receptacle



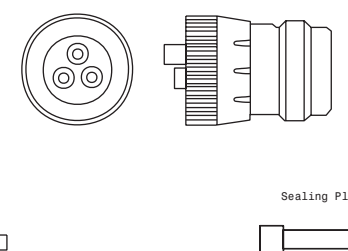
DT Connector Plug



HD Connector Receptacle



HD Connector Plug

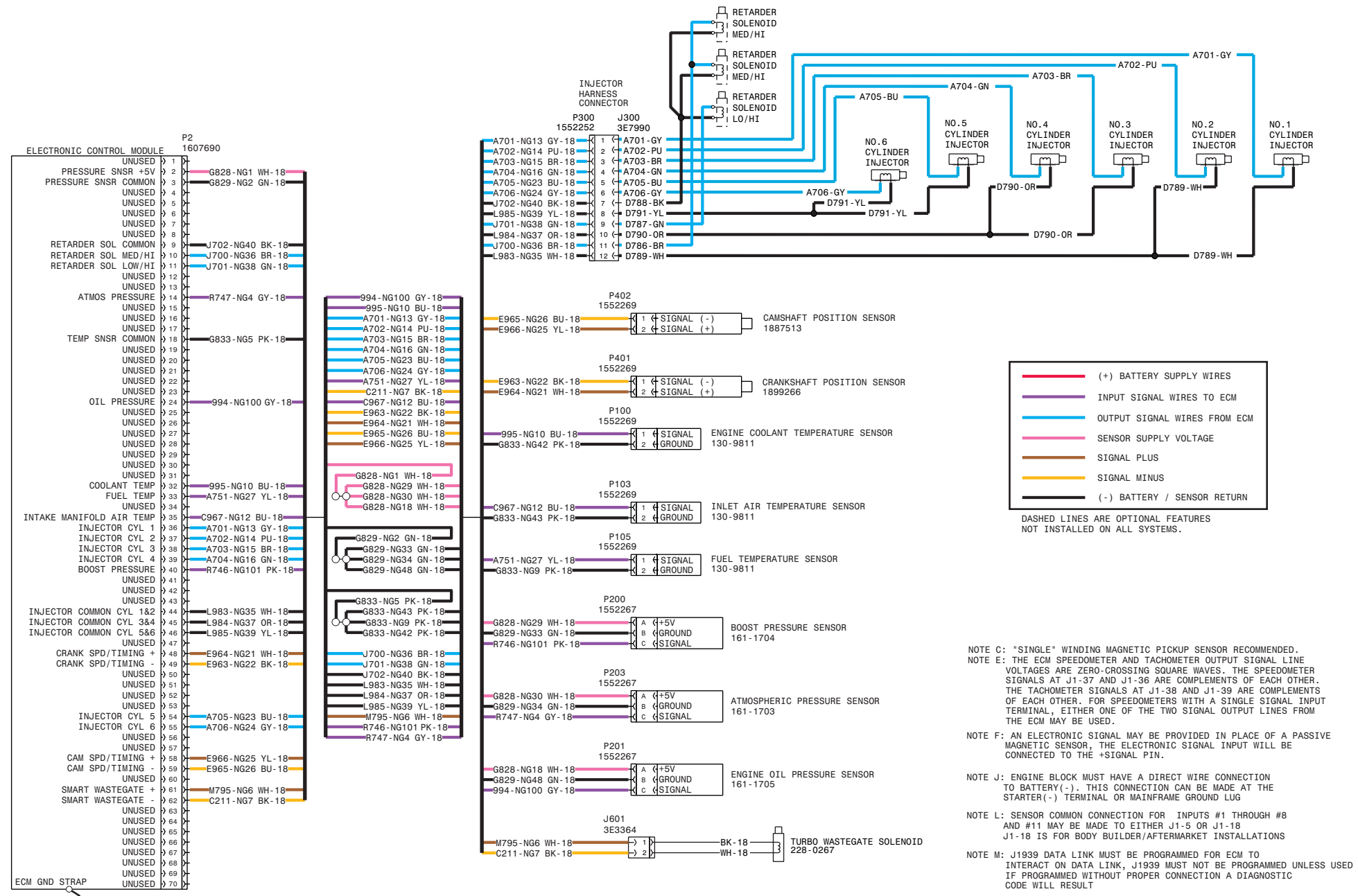


Schematic

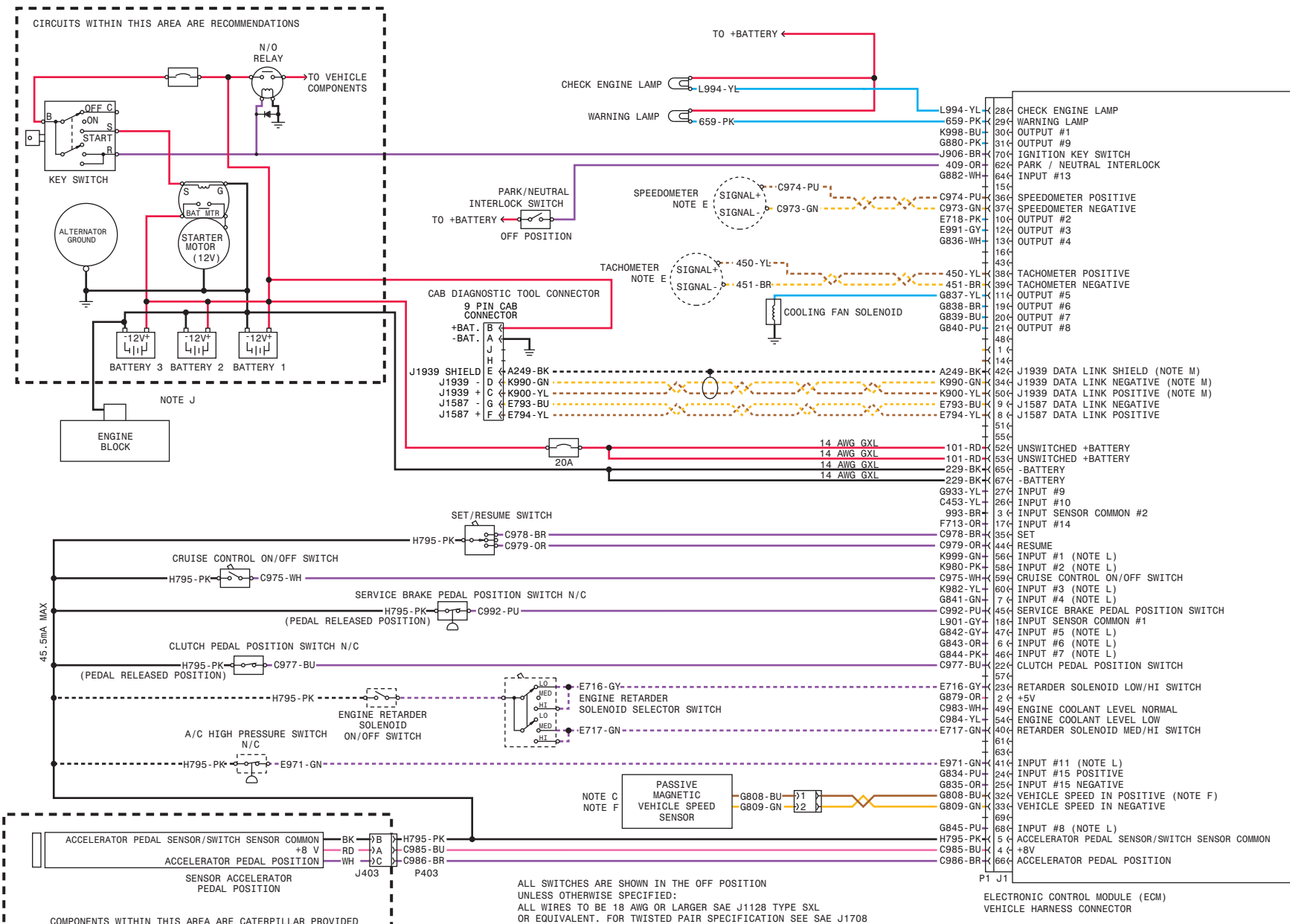
C-15 Truck Engine Electrical System

MBN1-UP

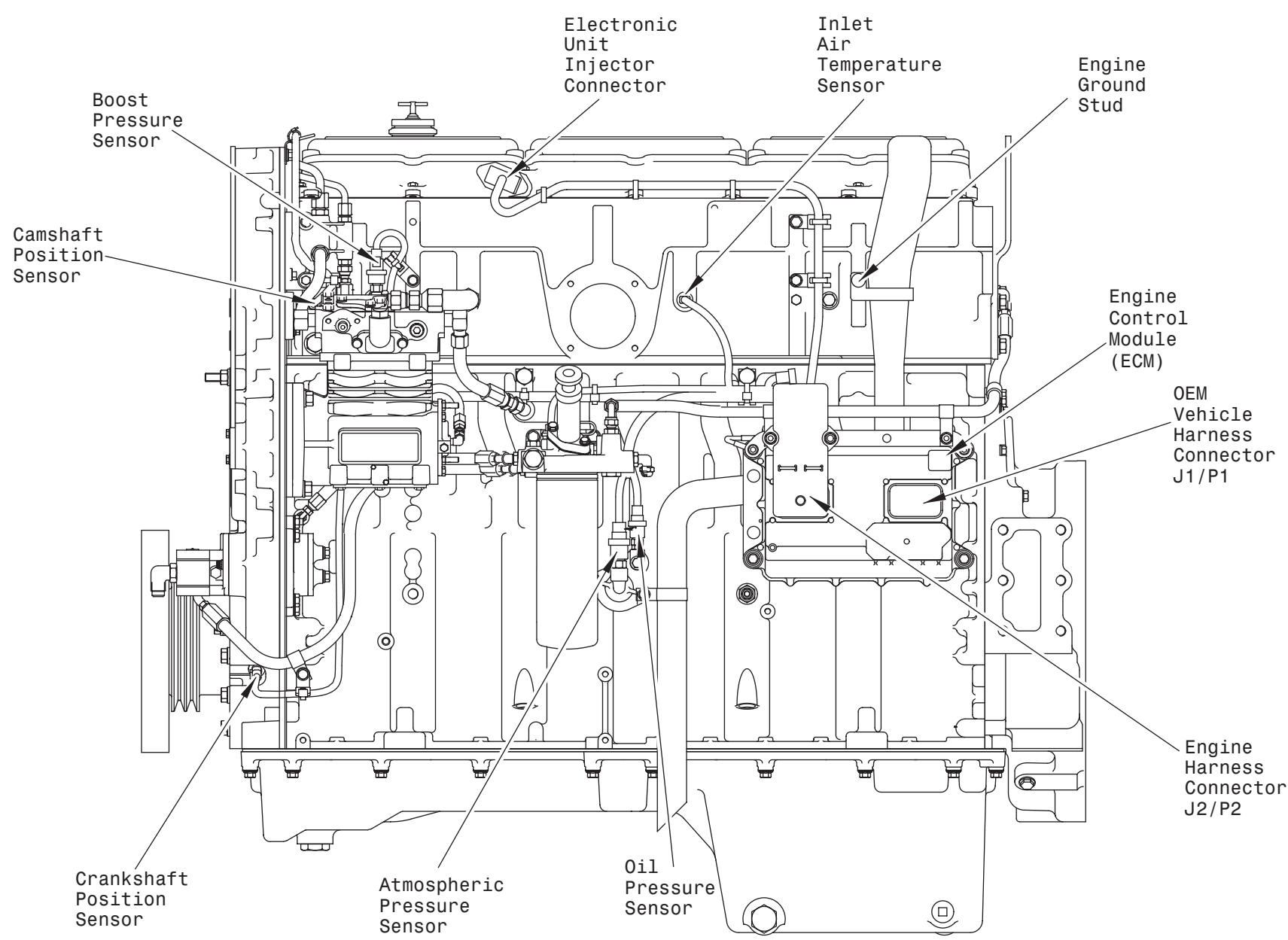
Diagnostic Code Listing					
PID-FMI	Description	Flash Codes	PID-FMI	Description	Flash Codes
0-00	No Detected Faults	55	105-03	Inlet Manifold Temperature Sensor Open Circuit	38
1-11	Cylinder 1 Fault	72	105-04	Inlet Manifold Temperature Sensor Short Circuit	38
2-11	Cylinder 2 Fault	72	105-11	Very High Inlet Manifold Temperature Warning	64
3-11	Cylinder 3 Fault	73	108-03	Atmospheric Pressure Sensor Open Circuit	26
4-11	Cylinder 4 Fault	73	108-04	Atmospheric Pressure Sensor Short Circuit	26
5-11	Cylinder 5 Fault	74	110-00	High Coolant Temperature Warning	61
6-11	Cylinder 6 Fault	74	110-03	Coolant Temperature Sensor Open Circuit	27
22-11	Camshaft Sensor to Crank Sensor Calibration	42	110-04	Coolant Temperature Sensor Short Circuit	27
22-13	Check Timing Sensor Calibration	42	110-11	Very High Coolant Temperature Warning	61
30-08	Invalid PTO Throttle Signal	29	111-01	Low Coolant Level Warning	62
30-13	PTO Throttle Sensor Calibration	29	111-02	Coolant Level Sensor Fault	12
32-05	Turbo Wastegate Solenoid Output Open Circuit	33	111-03	Coolant Level Sensor Open Circuit	12
32-06	Turbo Wastegate Solenoid Short Circuit	33	111-04	Coolant Level Sensor Short Circuit	12
32-11	Turbo Wastegate Solenoid Short to + Battery	33	111-11	Very Low Coolant Level	62
41-03	8 Volt Supply Above Normal	21	111-14	Early Hour Low Coolant Level	62
41-04	8 Volt Supply Below Normal	21	121-05	Retarder Solenoid Low/High Open Circuit	14
43-02	Ignition Key Switch Fault	71	121-06	Retarder Solenoid Low/High Short Circuit	14
52-11	Air Inlet Shutoff Shutdown	00	122-05	Retarder Solenoid Medium/High Open Circuit	14
54-05	Output #6 Open Circuit	66	122-06	Retarder Solenoid Medium/High Short Circuit	14
54-06	Output #6 Short Circuit	66	168-02	Low or Intermittent Battery	51
55-05	Output #7 Open Circuit	67	171-03	Outside Air Temp Sensor Open Circuit	00
55-06	Output #7 Short Circuit	67	171-04	Outside Air Temp Sensor Short Circuit	00
64-12	Loss of Engine Cam Sensor RPM Signal	34	171-11	No Ambient Air Temperature Data	00
71-00	Idle Shutdown Override	01	173-00	High Exhaust Gas Temperature Derate	16
71-01	Idle Shutdown Occurrence	47	173-11	Very High Exhaust Gas Temperature Derate	16
71-14	PTO Shutdown Timer Occurrence	47	174-00	High Fuel Temperature Warning	65
84-00	Vehicle Overspeed Warning	41	174-03	Fuel Temperature Sensor Open Circuit	13
84-01	Loss of Vehicle Speed Signal	31	174-04	Fuel Temperature Sensor Short Circuit	13
84-02	Invalid Vehicle Speed Signal	36	190-00	Engine Overspeed Warning	35
84-08	Vehicle Speed Out of Range	36	190-12	Loss of Engine Crank Sensor RPM Signal	34
84-10	Vehicle Speed Rate of Change	36	191-07	Transmission Not Responding	68
84-14	Quick Stop Occurrence	00	224-11	Theft Deterrent Active	00
91-08	Invalid Throttle Signal	32	224-14	Engine Cranking with Theft Deterrent Active	00
91-13	Throttle Sensor Calibration	28	231-02	J1939 Required Data Not Received	58
100-01	Low Oil Pressure Warning	25	231-12	J1939 Device Not Responding	58
100-03	Oil Pressure Sensor Open Circuit	24	232-03	5 Volt Supply Above Normal	21
100-04	Oil Pressure Sensor Short Circuit	24	232-04	5 Volt Supply Below Normal	21
100-11	Very Low Oil Pressure	46	246-11	Brake Switch #1 Fault	00
102-01	Boost Pressure Reading Stuck Low	25	247-11	Brake Switch #2 Fault	00
102-02	Erratic Boost Pressure	25	249-11	J1922 Data Link Fault	58
102-03	Boost Pressure Sensor Open Circuit	25	252-11	Incorrect Engine Software	59
102-04	Boost Pressure Sensor Short Circuit	25	253-02	Check Customer or System Parameters	56
102-07	Excessive Boost Pressure	25	253-11	Check Transmission Customer Parameters	56
105-00	High Inlet Manifold Temperature Warning	64			



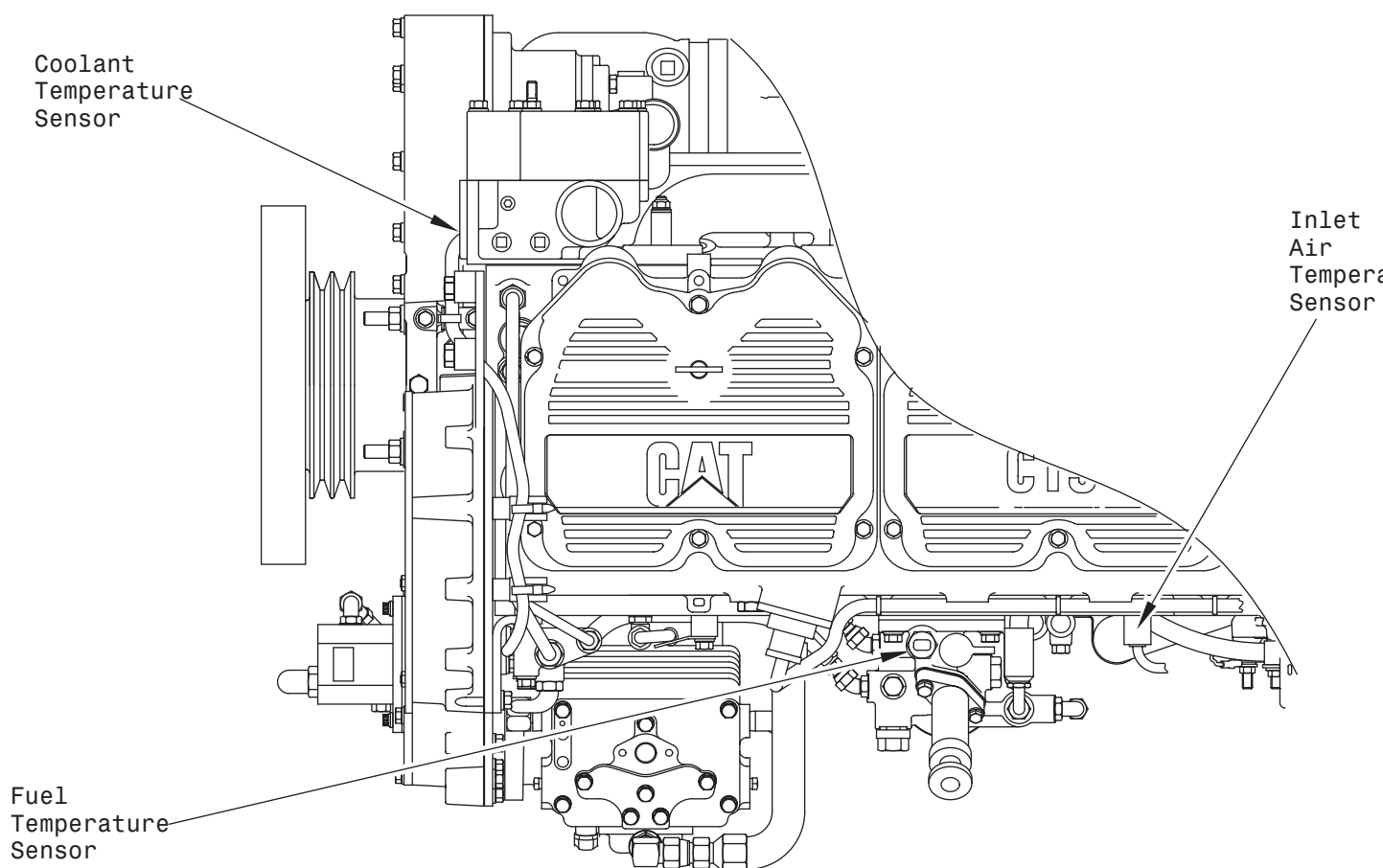
C-10 AND C-12 OEM VEHICLE HARNESS WIRING DIAGRAM



Left Side View



Front Top View



SEN9690-00