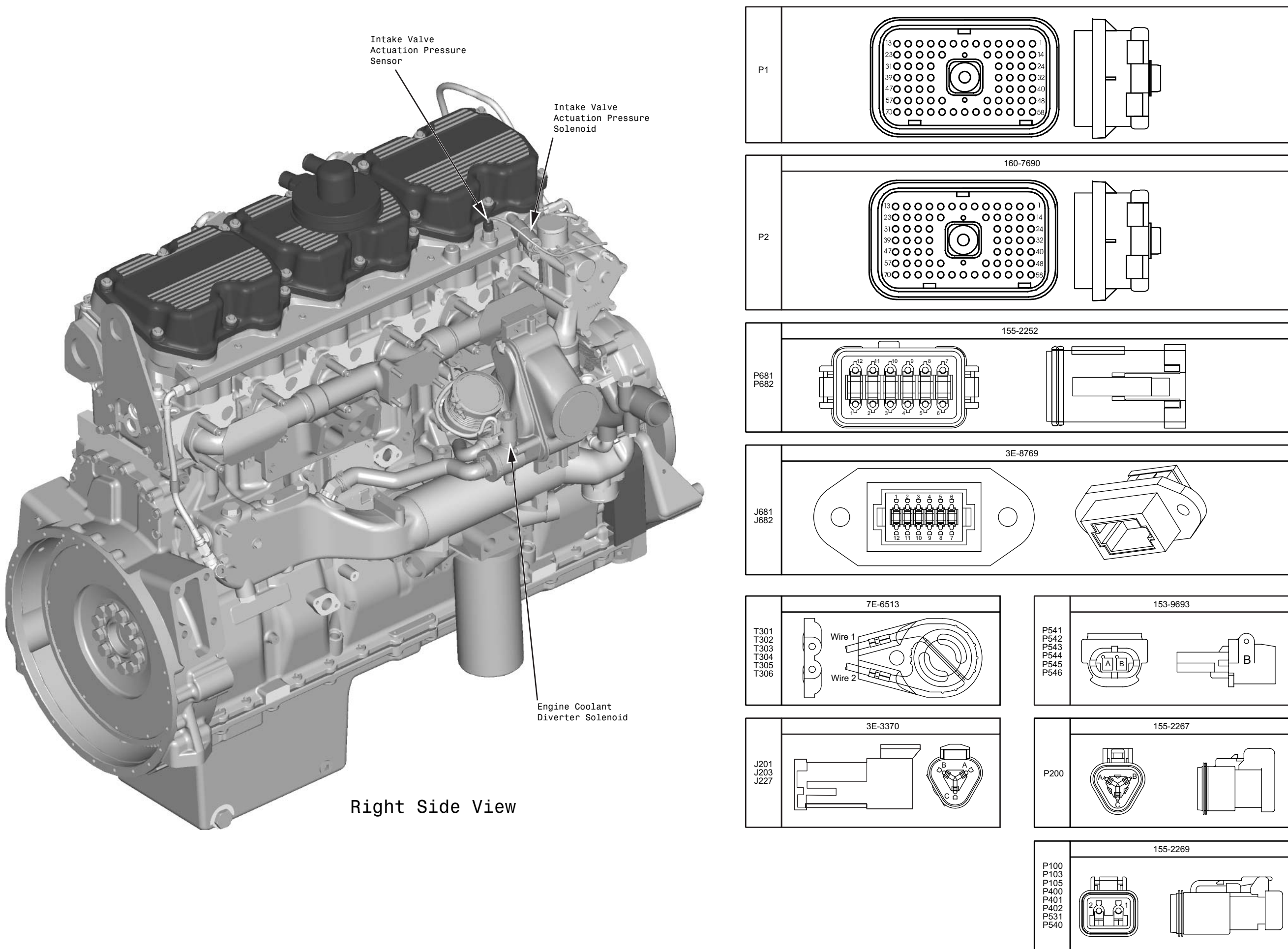


# Schematic

## C15 On-highway Engine Electrical System

BXS1-UP



Diagnostic Code Listing		Flash Codes	
PID-FMI	Description	PID-FMI	Description
N/A	No Diagnostic Codes Detected	0111-04	Coolant Level voltage low
0001-05	Cylinder #1 injector current low	0111-11	Very Low Coolant Level
0001-06	Cylinder #1 injector current high	0111-14	Low Coolant Level Warning
0002-05	Cylinder #2 injector current low	0121-05	Low/High Retarder current low
0002-06	Cylinder #2 injector current high	0121-06	Low/High Retarder current high
0003-05	Cylinder #3 injector current low	0122-05	Med/High Retarder current low
0003-06	Cylinder #3 injector current high	0122-06	Med/High Retarder current high
0004-05	Cylinder #4 injector current low	0166-14	Rated Engine Power Special Instructions
0004-06	Cylinder #4 injector current high	0168-01	Low ECM Battery Power
0005-05	Cylinder #5 injector current low	0168-02	ECM Battery Power Intermittent
0005-06	Cylinder #5 injector current high	0171-03	Ambient Air Temperature voltage high
0006-05	Cylinder #6 injector current low	0171-04	Ambient Air Temperature voltage low
0006-06	Cylinder #6 injector current high	0171-11	Ambient Air Temperature Data Lost
0022-11	Primary to Secondary Engine Speed Calibration	0174-00	High Fuel Temperature Warning
0022-13	Engine Speed Signal Calibration Not Performed	0174-03	Fuel Temperature voltage high
0030-08	PTO Throttle signal invalid	0174-04	Fuel Temperature voltage low
0030-13	PTO Throttle out of calibration	0180-00	Engine Over Speed Warning
0041-03	8 Volt Supply voltage high	0190-06	Primary Engine Speed Loss of Signal
0041-04	8 Volt Supply voltage low	0191-07	Transmission Not Responding
0043-02	Key Switch Fault	0224-11	Theft Deterrent Active
0050-11	Air Inlet Shut-off Shutdown	0224-14	Theft Deterrent Active with Engine Cranking
0054-05	Auxiliary Output #06 current low	0231-02	J1939 Data Incorrect
0054-06	Auxiliary Output #06 current high	0231-12	J1939 Device Not Responding
0055-05	Auxiliary Output #07 current low	0232-03	5 Volt Supply voltage low
0055-06	Auxiliary Output #07 current high	0232-04	5 Volt Supply voltage high
0064-08	Secondary Engine Speed loss of signal	0246-11	Brake Pedal Switch #1 Fault
0071-00	Idle Shutdown Override	0247-11	Brake Pedal Switch #2 Fault
0071-01	Idle Shutdown	0252-11	Engine Software Incorrect
0071-14	PTO Signal Invalid	0253-02	Check Customer or System Parameters
0084-00	Vehicle Over Speed Warning	0253-11	Check Transmission Customer Parameters
0084-01	Vehicle Speed loss of signal	0283-05	Intake Valve Actuation System Oil Pressure Solenoid current high
0084-02	Vehicle Speed signal invalid	0283-06	Intake Valve Actuation System Oil Pressure Solenoid current low
0084-08	Vehicle Speed signal out of range	0283-07	Intake Valve Actuation Oil Pressure not responding
0084-10	Vehicle Speed signal rate of change	0284-05	Engine Coolant Diverter current low
0084-14	Quick Stop Occurrence	0284-06	Engine Coolant Diverter current high
0091-08	Throttle Position Invalid	0285-06	Intake Valve Actuator #1 current low
0091-13	Throttle Position out of calibration	0285-06	Intake Valve Actuator #1 current high
0100-01	Low Oil Pressure Warning	0285-07	Intake Valve Actuator #1 not responding
0100-02	Oil Pressure voltage high	0285-07	Intake Valve Actuator #1 not responding
0100-04	Oil Pressure voltage low	0286-06	Intake Valve Actuator #2 current low
0100-11	Very Low Oil Pressure	0286-07	Intake Valve Actuator #2 not responding
0102-03	Boost Pressure voltage high	0287-05	Intake Valve Actuator #3 current low
0102-04	Boost Pressure voltage low	0287-06	Intake Valve Actuator #3 current high
0105-00	High Intake Manifold Air Temperature Warning	0287-07	Intake Valve Actuator #3 not responding
0105-03	Intake Manifold Air Temperature voltage high	0288-05	Intake Valve Actuator #4 current low
0105-04	Intake Manifold Air Temperature voltage low	0288-06	Intake Valve Actuator #4 current high
0105-11	Very High Intake Manifold Air Temperature	0288-07	Intake Valve Actuator #4 not responding
0108-03	Barometric Pressure voltage high	0289-05	Intake Valve Actuator #5 current low
0108-04	Barometric Pressure voltage low	0289-06	Intake Valve Actuator #5 current high
0109-07	High Coolant Temperature Warning	0289-07	Intake Valve Actuator #5 not responding
0110-03	Coolant Temperature voltage high	0290-05	Intake Valve Actuator #6 current low
0110-04	Coolant Temperature voltage low	0290-06	Intake Valve Actuator #6 current high
0110-11	Very High Coolant Temperature	0290-07	Intake Valve Actuator #6 not responding
0111-01	Low Coolant Level Warning	0295-01	Low Intake Valve Actuation System Oil Pressure
0111-02	Coolant Level signal invalid	0385-03	Intake Valve Actuation System Oil Pressure voltage high
0111-03	Coolant Level voltage high	0385-04	Intake Valve Actuation System Oil Pressure voltage low

© 2005 Caterpillar  
All Rights Reserved

Printed in U.S.A.

