

2017 ENGINE PERFORMANCE

Engine Controls and Fuel - 1.4L (LUV) - Schematic and Routing Diagrams - Encore, Trax

SCHEMATIC WIRING DIAGRAMS

ENGINE CONTROLS WIRING SCHEMATICS (BUICK WITH LUV)

Module Power, Ground, Serial Data, and MIL (Buick with LUV)

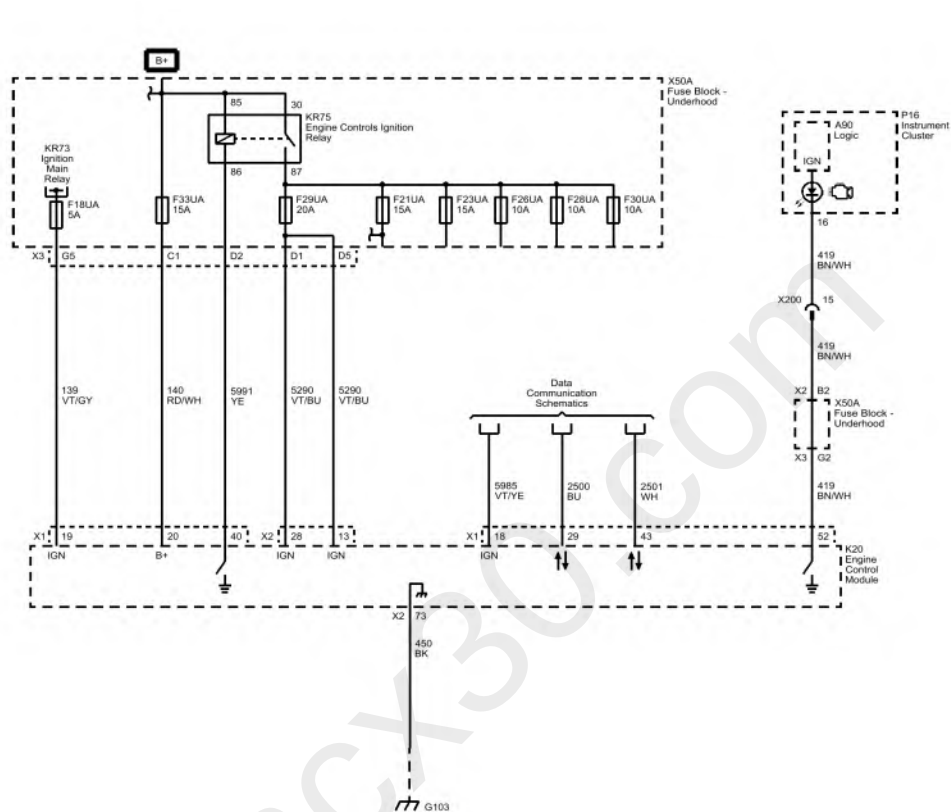


Fig. 1: Module Power, Ground, Serial Data, and MIL (Buick with LUV).
Courtesy of GENERAL MOTORS COMPANY

5V1, 5V2, and Low Reference Bus (Buick with LUV, page 1 of 2)

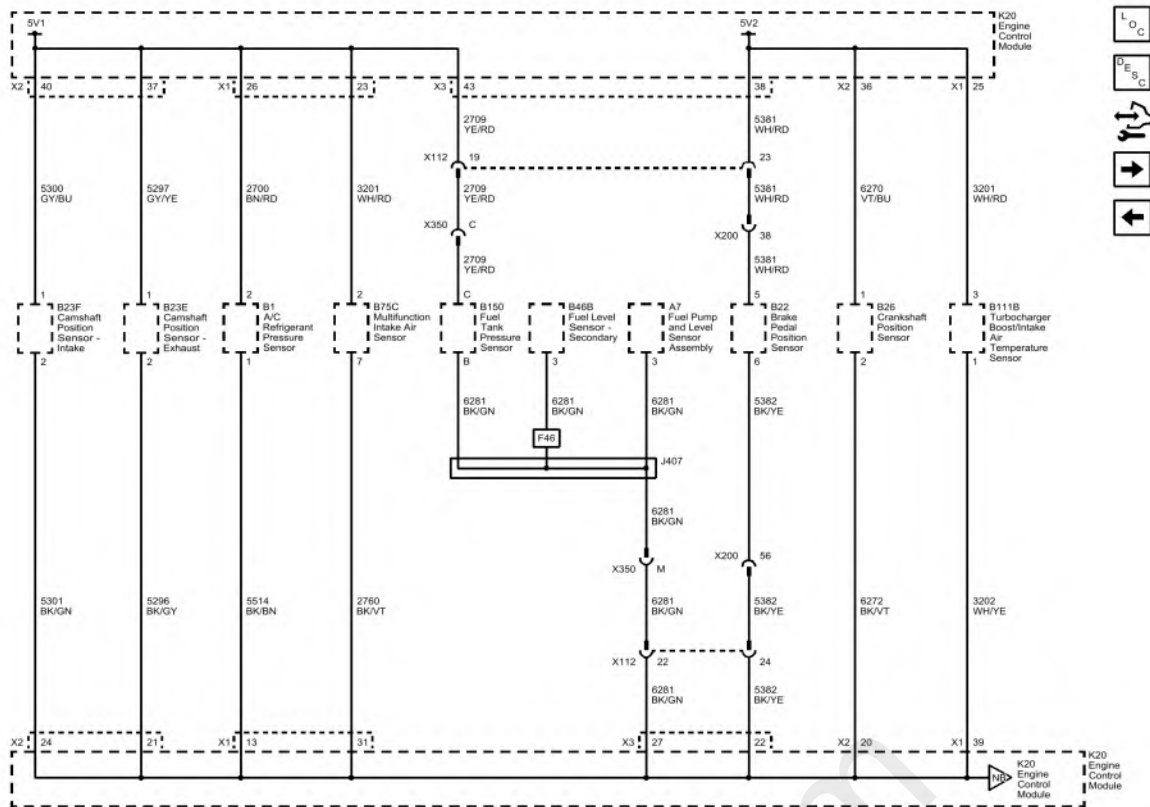


Fig. 2: 5V1, 5V2, and Low Reference Bus (Buick with LUV, page 1 of 2)
 Courtesy of GENERAL MOTORS COMPANY

5V3, 5V4, and Low Reference Bus (Buick with LUV, page 2 of 2)

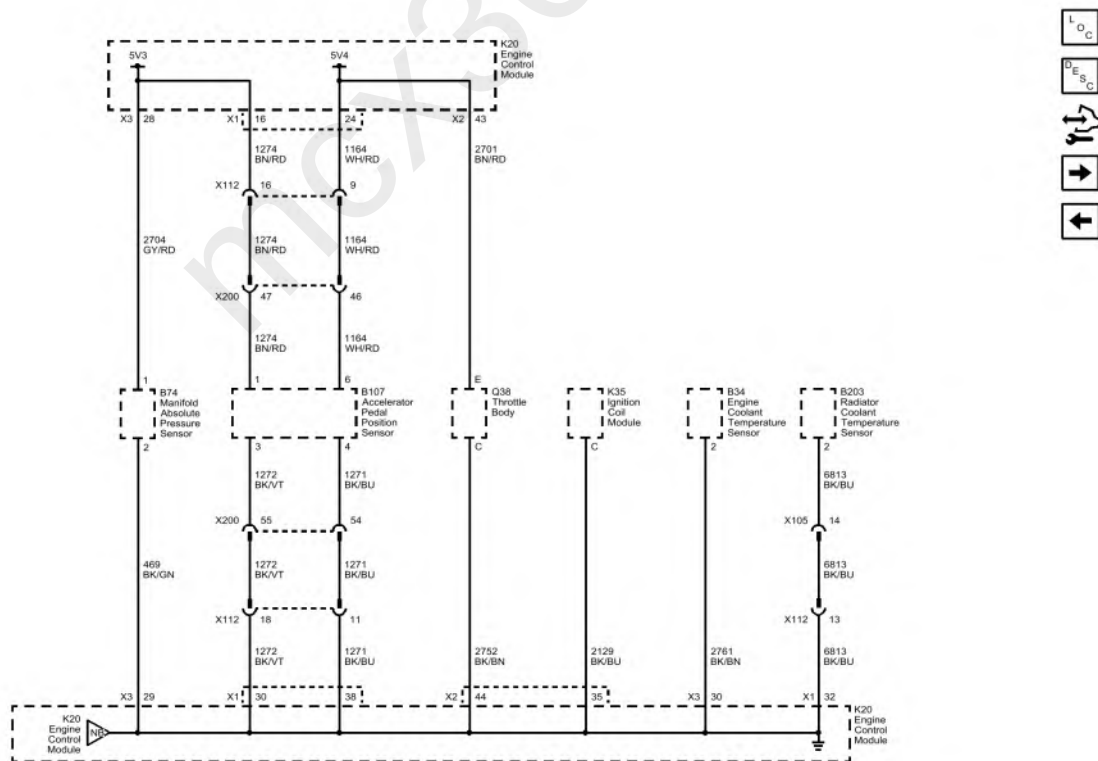


Fig. 3: 5V3, 5V4, and Low Reference Bus (Buick with LUV, page 2 of 2)
 Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Pressure, and Temperature (Buick with LUV)

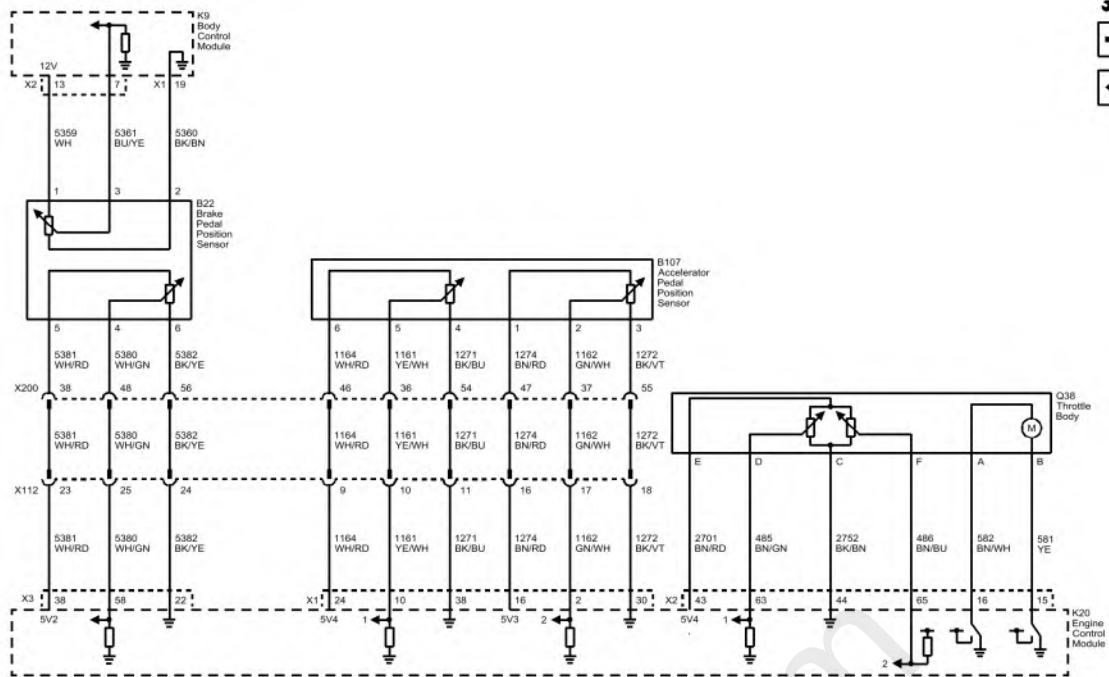


Fig. 6: Engine Data Sensors - Throttle and Brake Sensor Controls (Buick with LUV)
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Injectors and Ignition Controls (Buick with LUV)

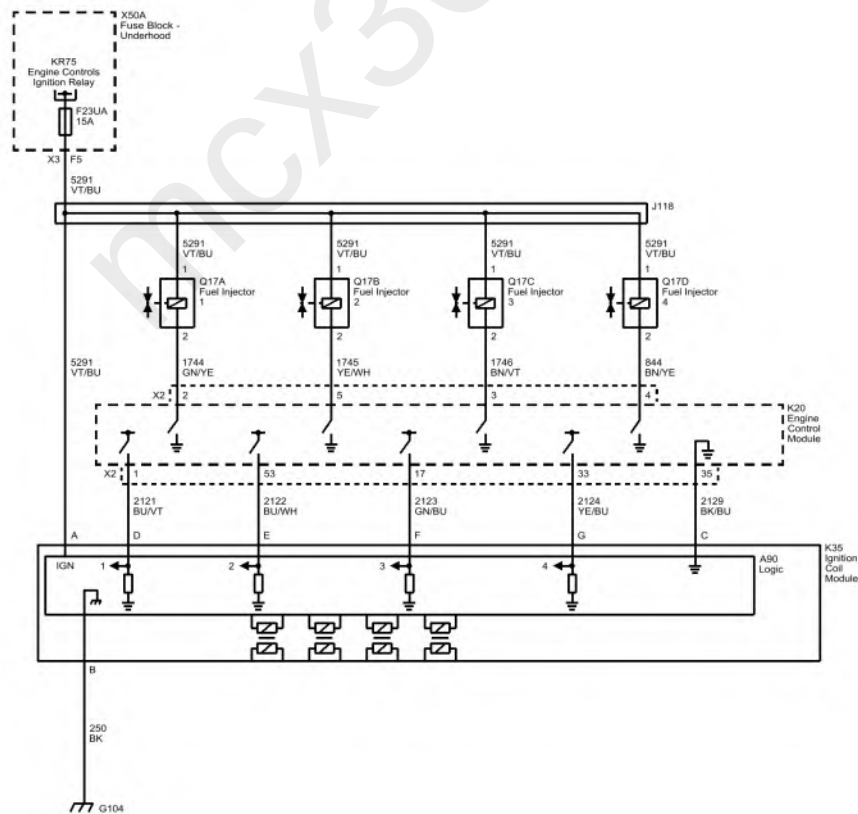


Fig. 7: Fuel Controls - Fuel Injectors and Ignition Controls (Buick with LUV)
Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Oxygen Sensors (Buick with LUV)

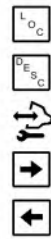
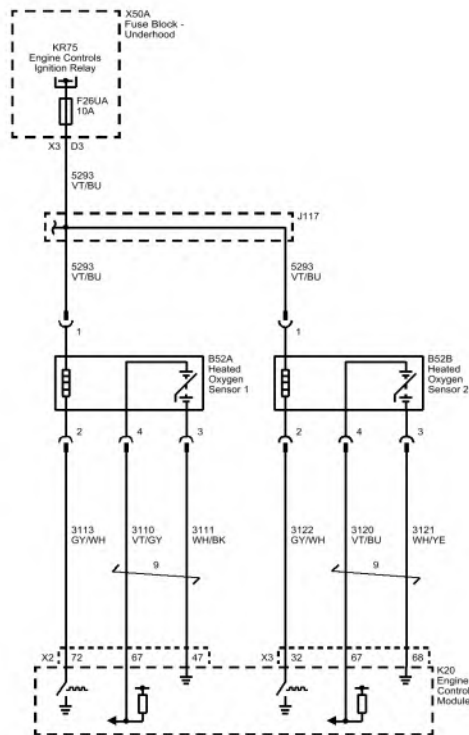


Fig. 8: Engine Data Sensors - Oxygen Sensors (Buick with LUV).
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Evaporative Emission and Device Controls (Buick with LUV)

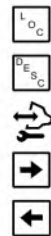
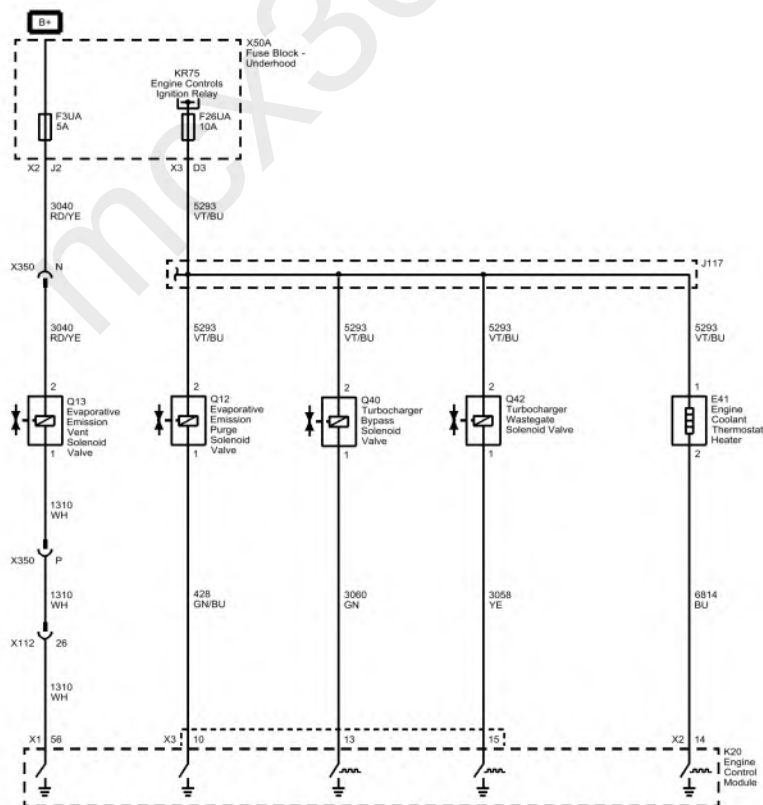


Fig. 9: Fuel Controls - Evaporative Emission and Device Controls (Buick with LUV).
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Pump and Fuel Pump Controls (Buick with LUV)

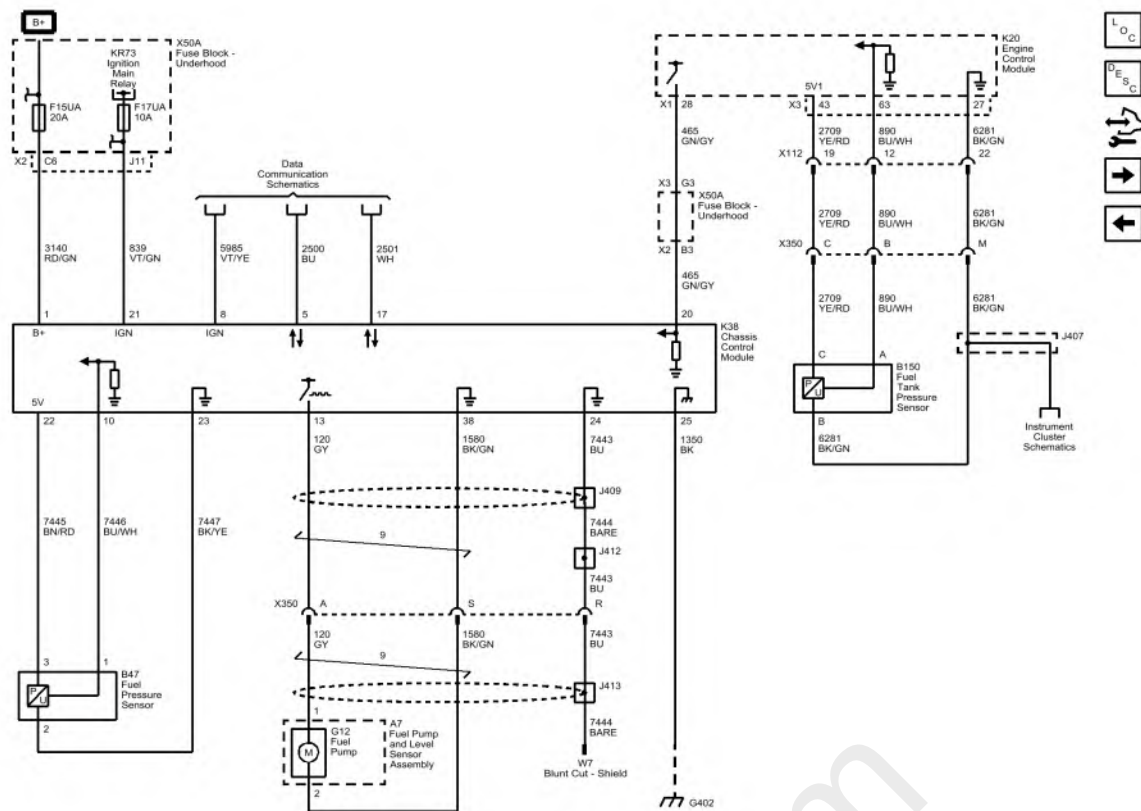


Fig. 10: Fuel Controls - Fuel Pump and Fuel Pump Controls (Buick with LUV)
 Courtesy of GENERAL MOTORS COMPANY

Controlled/Monitored Subsystem References (Buick with LUV)

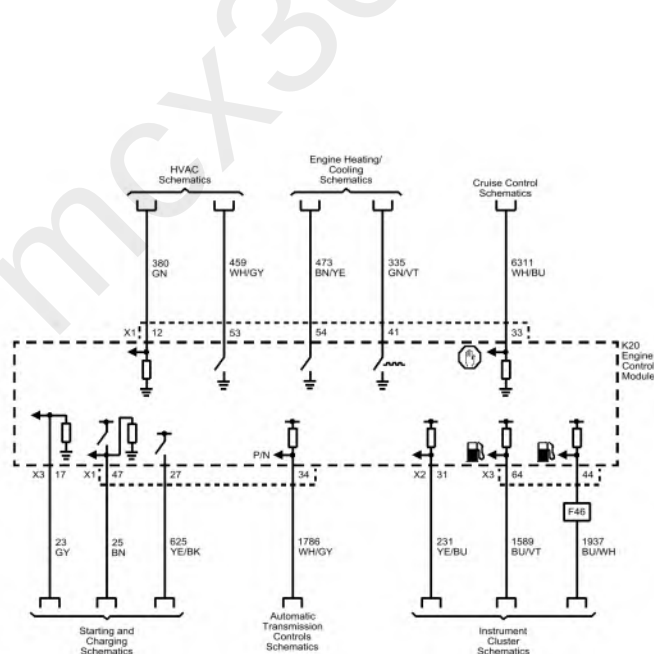


Fig. 11: Controlled/Monitored Subsystem References (Buick with LUV)
 Courtesy of GENERAL MOTORS COMPANY

ENGINE CONTROLS WIRING SCHEMATICS (CHEVROLET WITH LUV)

Module Power, Ground, Serial Data, and MIL (Chevrolet with LUV)

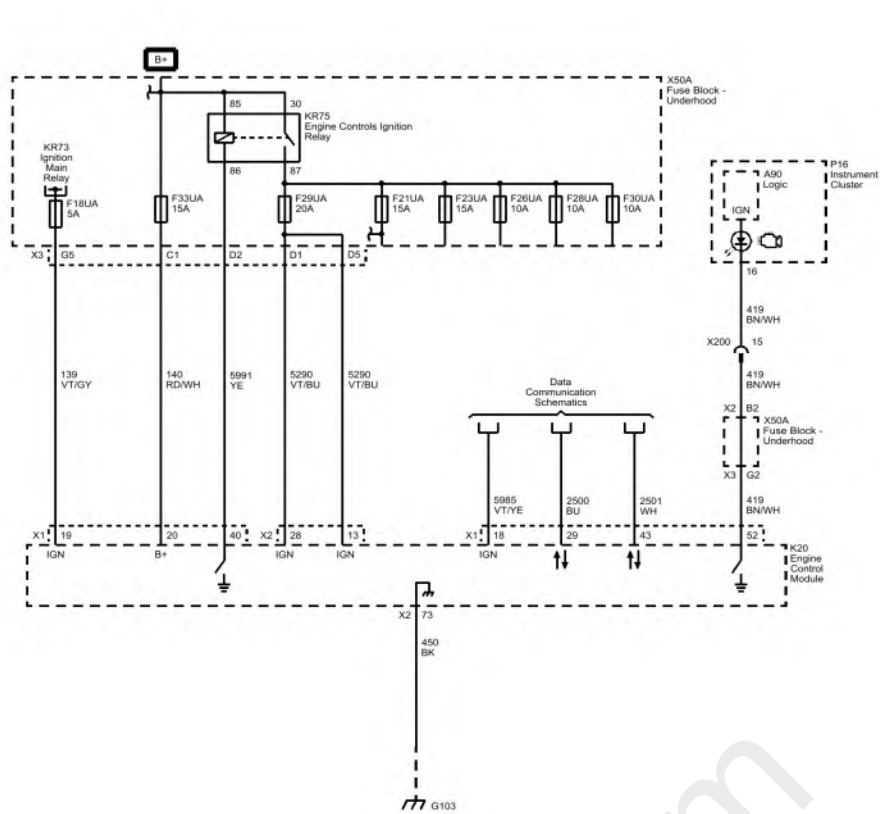


Fig. 12: Module Power, Ground, Serial Data, and MIL (Chevrolet with LUV)
 Courtesy of GENERAL MOTORS COMPANY

5V1, 5V2, and Low Reference Bus (Chevrolet with LUV, page 1 of 2)

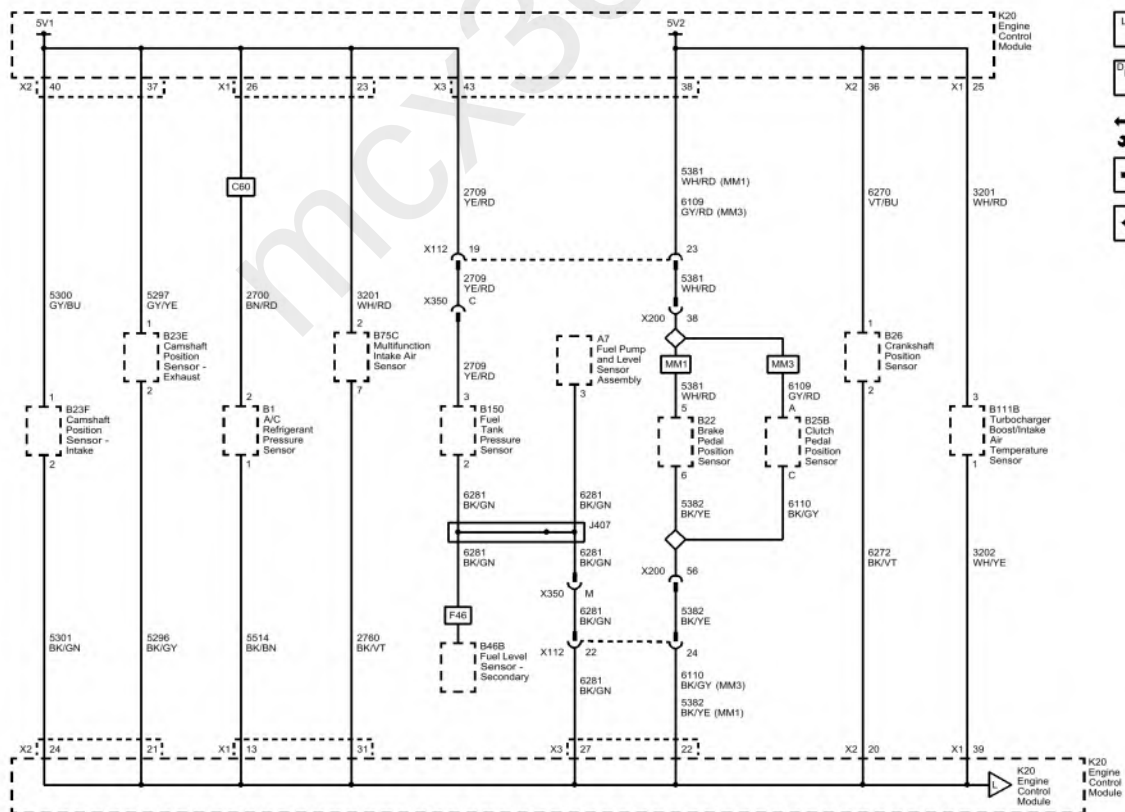


Fig. 13: 5V1, 5V2, and Low Reference Bus (Chevrolet with LUV, page 1 of 2)
 Courtesy of GENERAL MOTORS COMPANY

5V3, 5V4, and Low Reference Bus (Chevrolet with LUV, page 2 of 2)

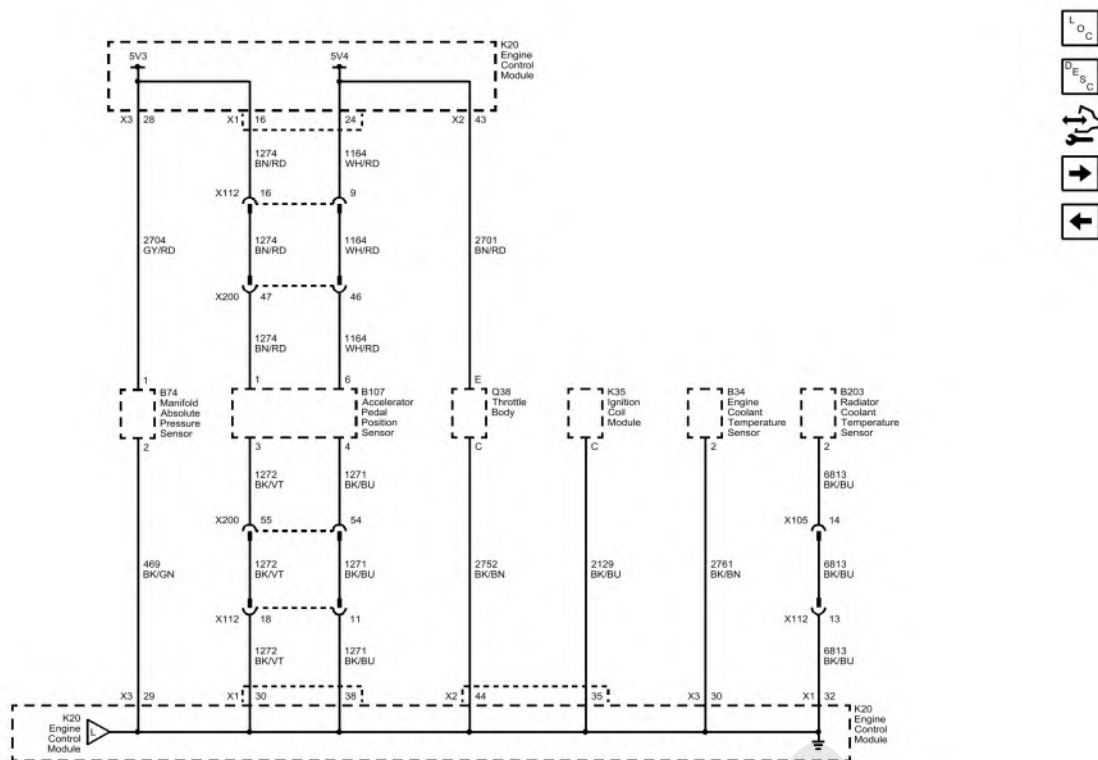


Fig. 14: 5V3, 5V4, and Low Reference Bus (Chevrolet with LUV, page 2 of 2).
 Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Pressure and Temperature (Chevrolet with LUV)

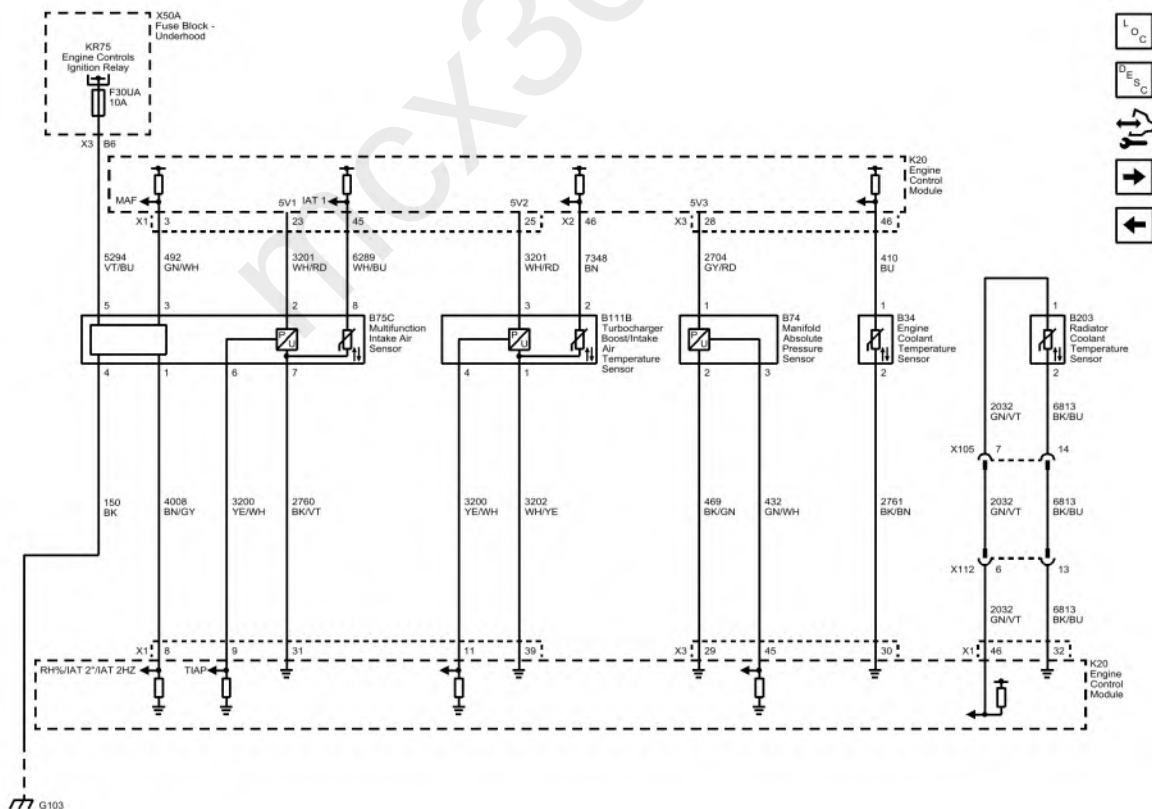


Fig. 15: Engine Data Sensors - Pressure and Temperature (Chevrolet with LUV).
 Courtesy of GENERAL MOTORS COMPANY

Camshaft, Crankshaft, and Knock Sensors, and Camshaft Actuators (Chevrolet with LUV)

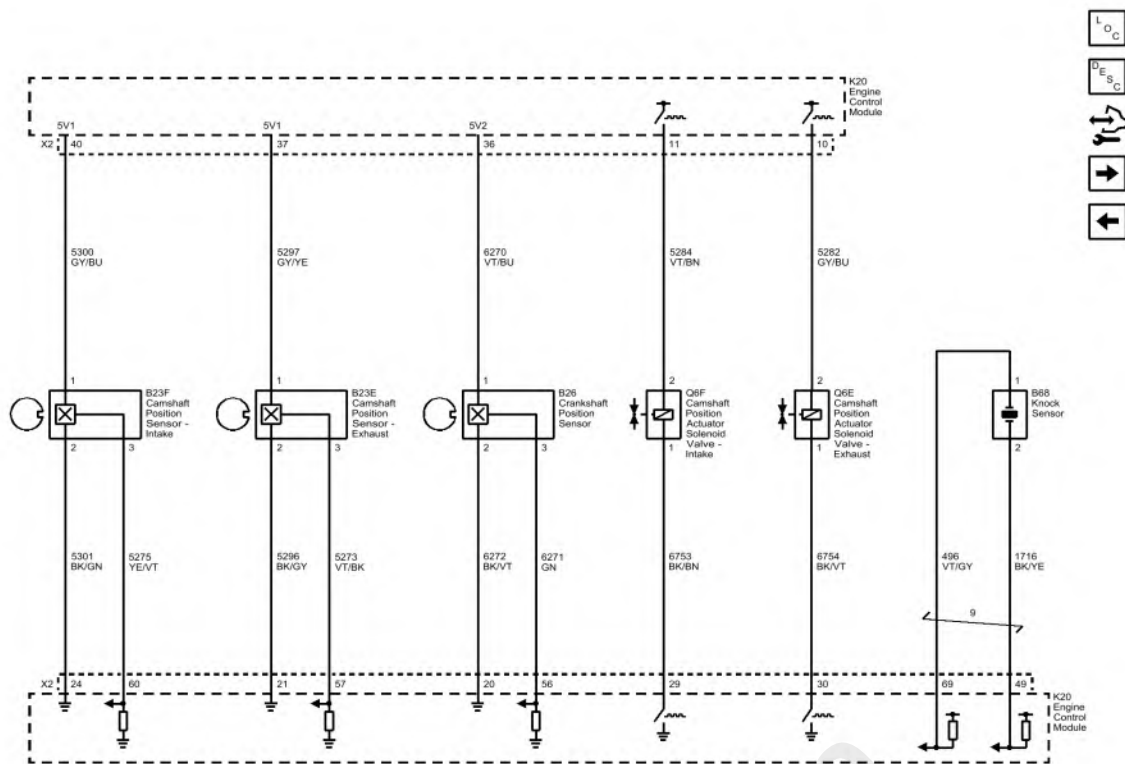


Fig. 16: Camshaft, Crankshaft, and Knock Sensors, and Camshaft Actuators (Chevrolet with LUV).

Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Throttle and Brake Sensor Controls (Chevrolet with LUV)

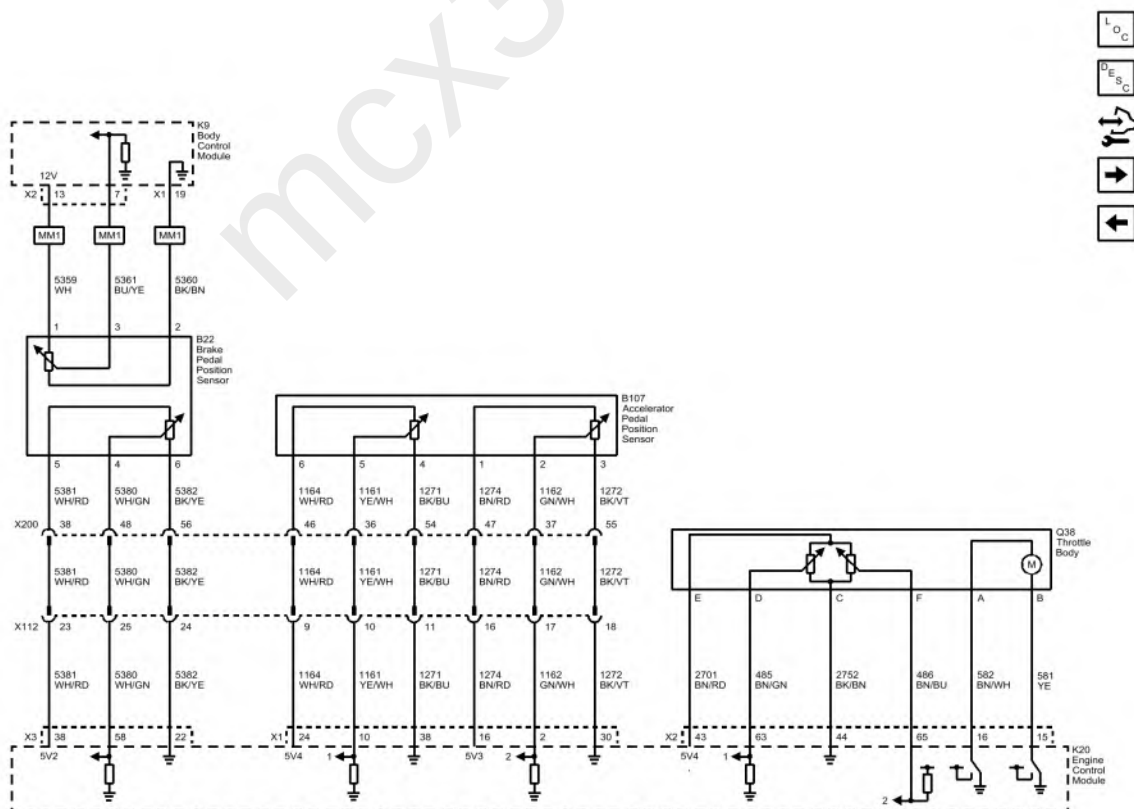


Fig. 17: Engine Data Sensors - Throttle and Brake Sensor Controls (Chevrolet with LUV).

Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Injectors and Ignition Controls (Chevrolet with LUV)

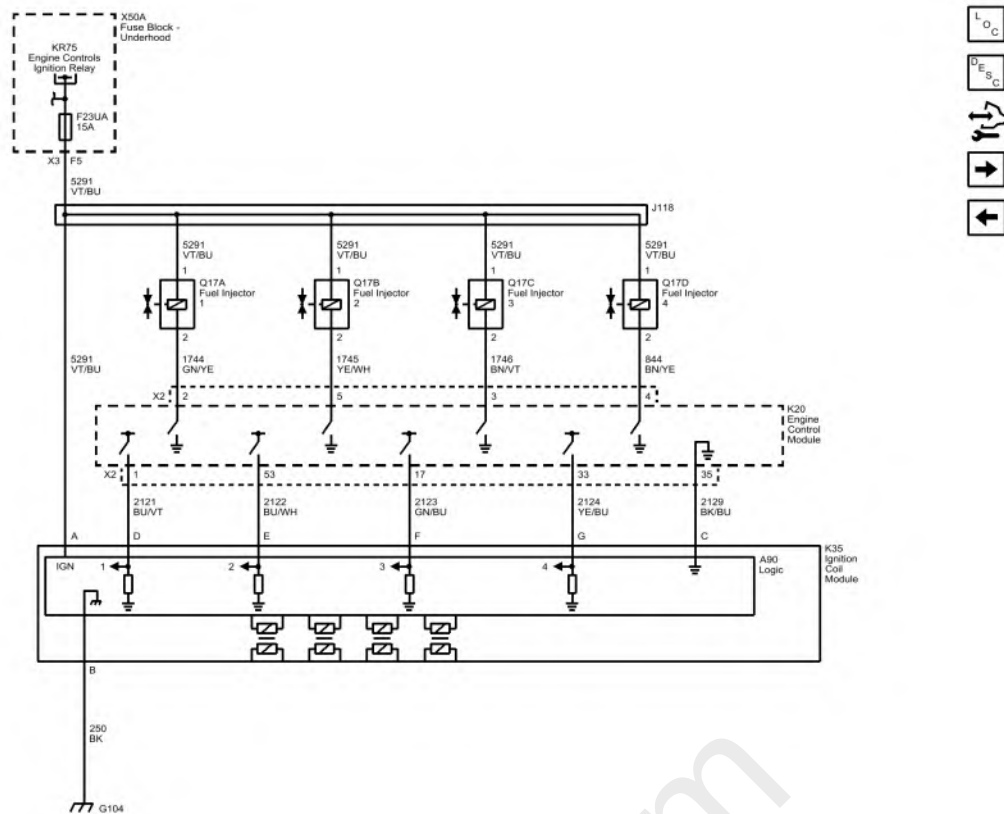


Fig. 18: Fuel Controls - Fuel Injectors and Ignition Controls (Chevrolet with LUV)
Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Oxygen Sensors (Chevrolet with LUV)

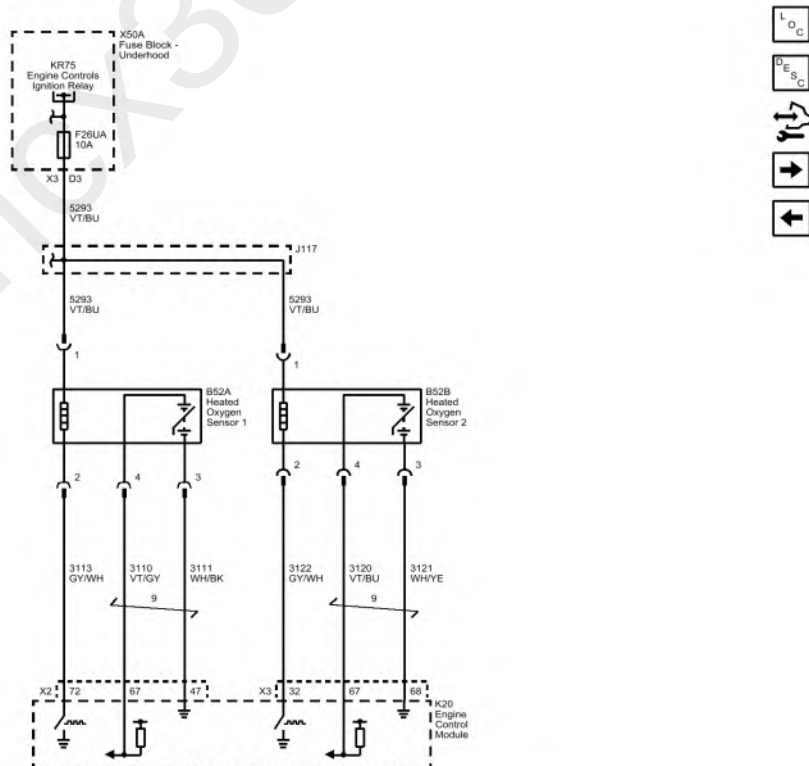


Fig. 19: Engine Data Sensors - Oxygen Sensors (Chevrolet with LUV)
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Evaporative Emission and Device Controls (Chevrolet with LUV)

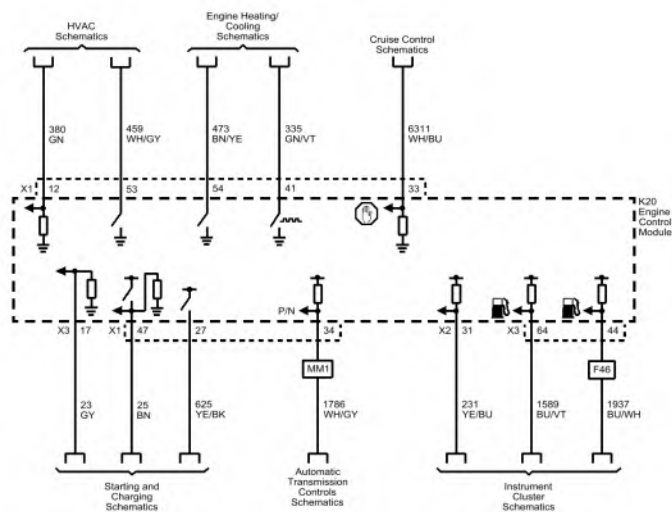


Fig. 22: Controlled/Monitored Subsystem References (Chevrolet with LUV).
Courtesy of GENERAL MOTORS COMPANY