

2018 ENGINE PERFORMANCE

Engine Controls And Fuel - 1.6L (LH7) Diesel - Schematic And Routing Diagrams - Engine Controls Schematics - Equinox & Terrain

SCHEMATIC WIRING DIAGRAMS

ENGINE CONTROLS WIRING SCHEMATICS 1.6L (LH7)

Power, Ground, Serial Data, and MIL

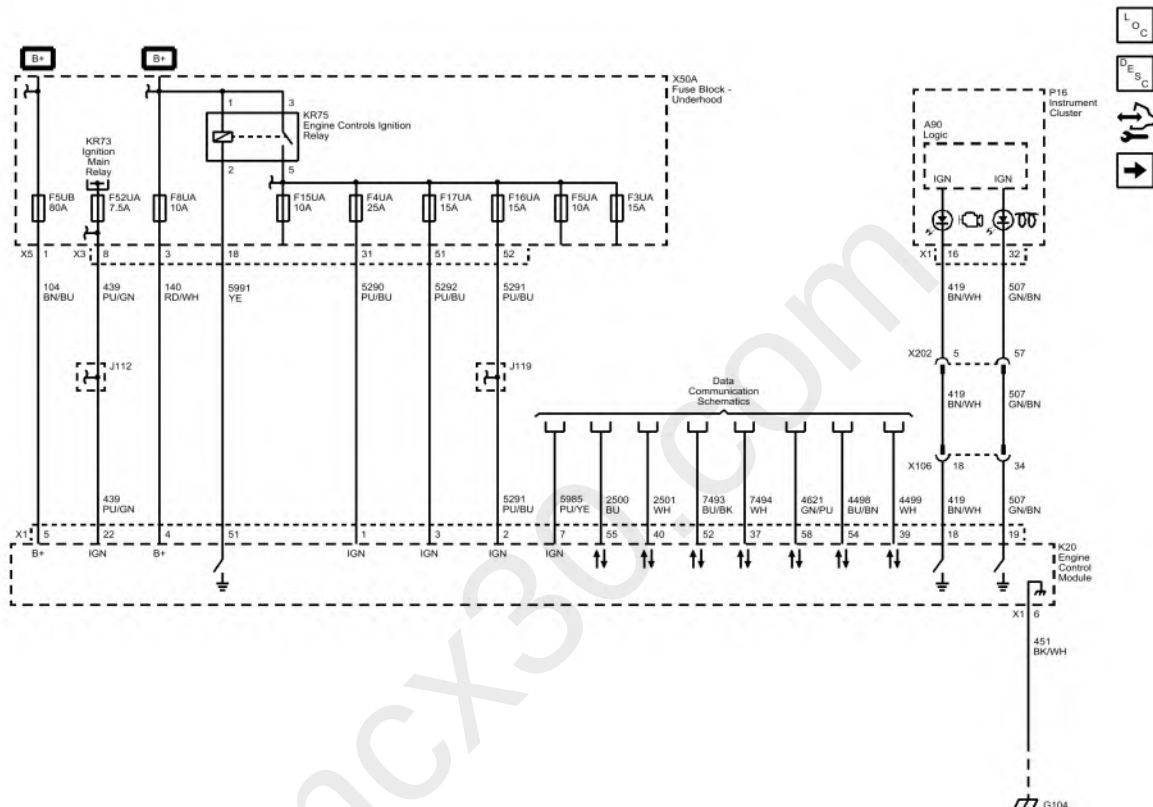


Fig. 1: Power, Ground, Serial Data, and MIL
Courtesy of GENERAL MOTORS COMPANY

5V1, and Low Reference Bus (1 of 3)

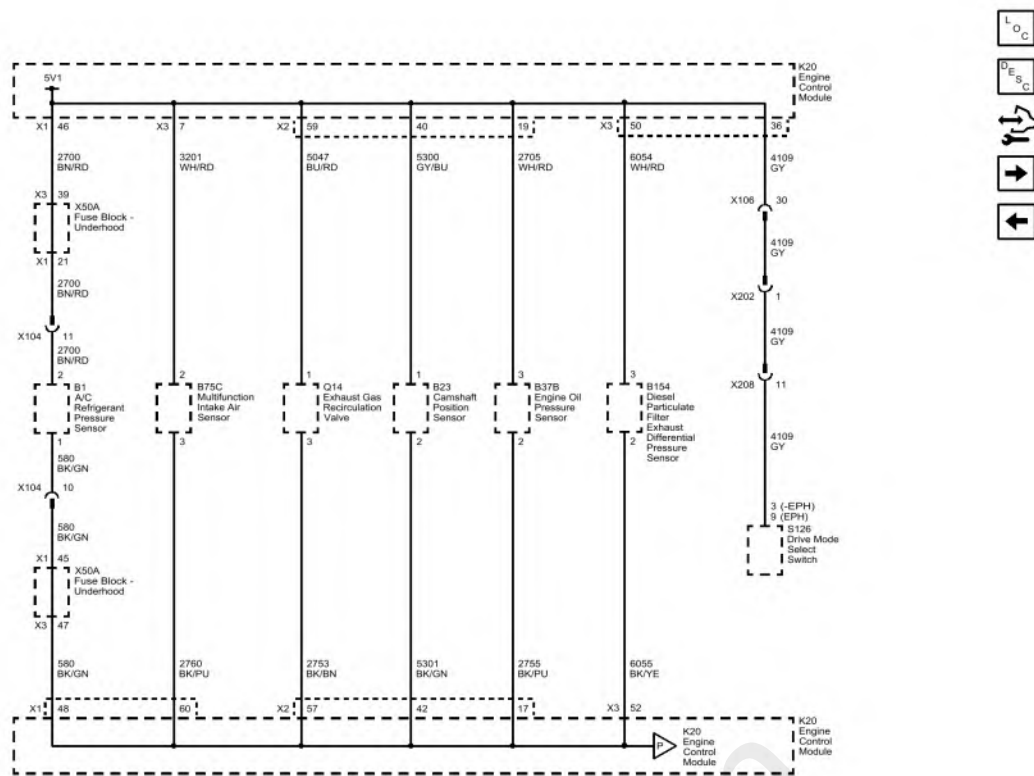


Fig. 2: 5V1, and Low Reference Bus (1 of 3)
Courtesy of GENERAL MOTORS COMPANY

5V2, 5V3, 5V4, and Low Reference Bus (2 of 3)

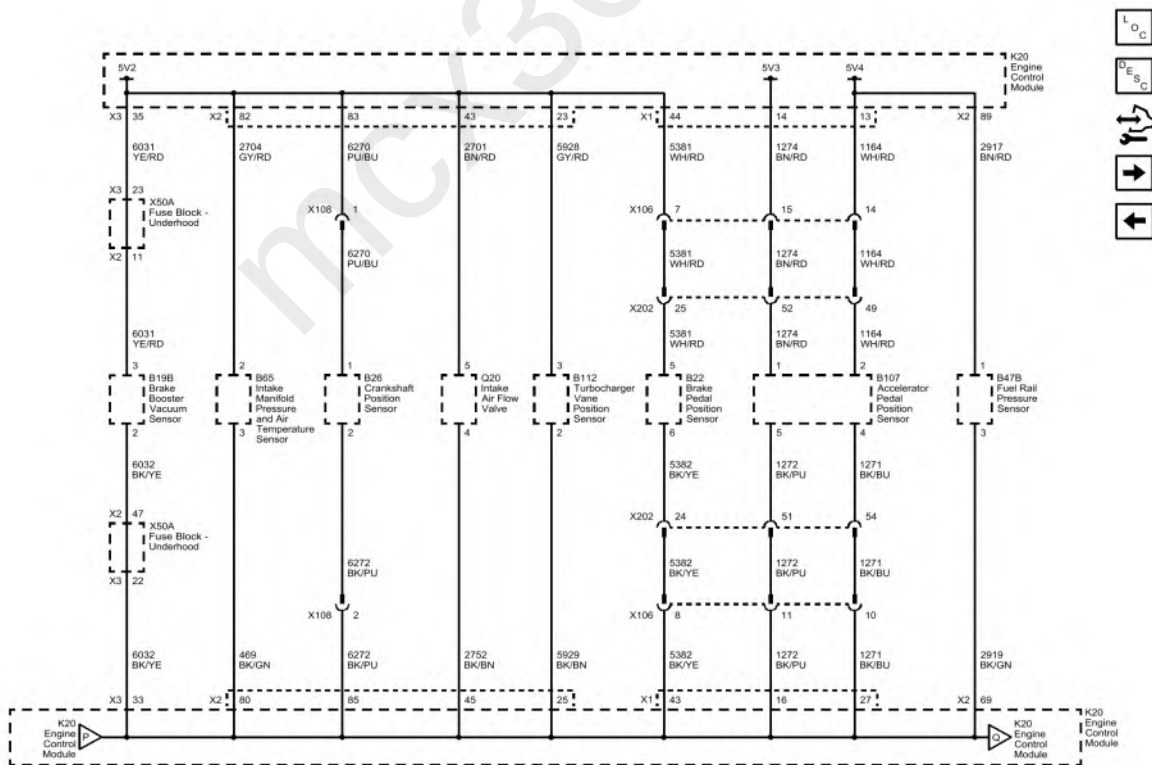


Fig. 3: 5V2, 5V3, 5V4, and Low Reference Bus (2 of 3)
Courtesy of GENERAL MOTORS COMPANY

Low Reference Bus (3 of 3)

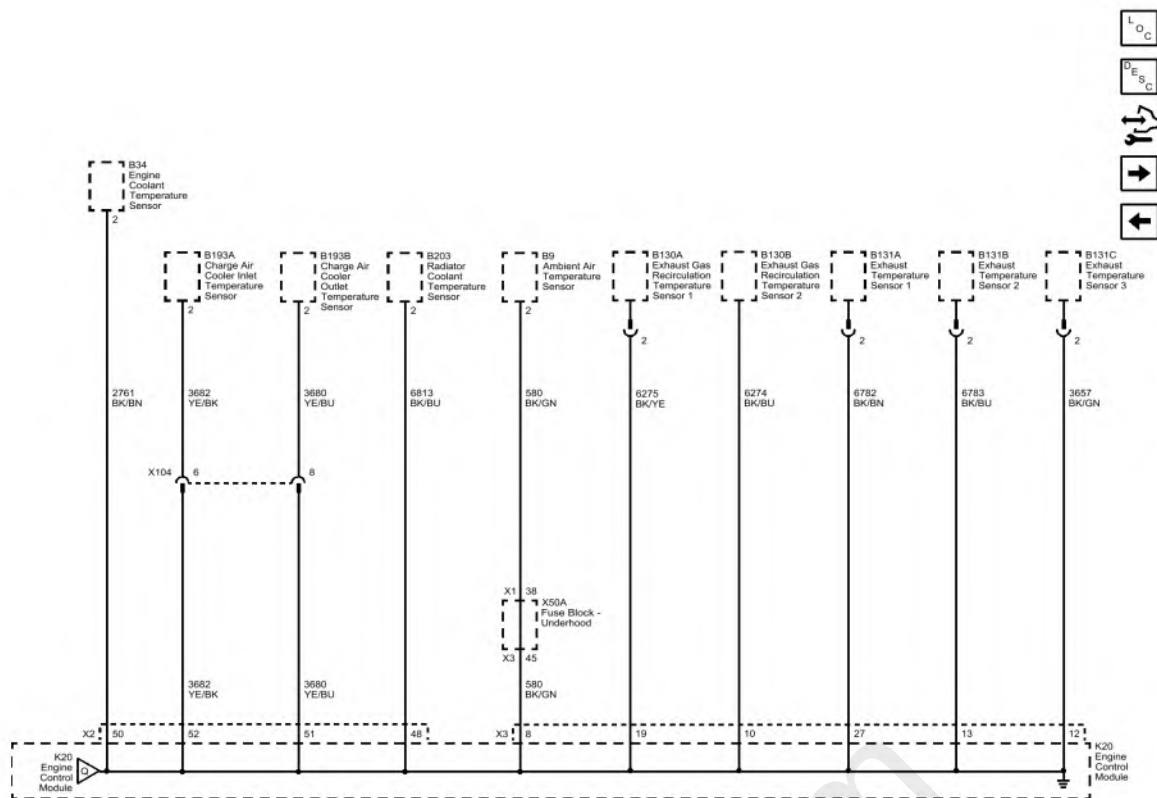


Fig. 4: Low Reference Bus (3 of 3)

Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Temperature, and Diesel Particulate Filter Exhaust Differential Pressure Sensor

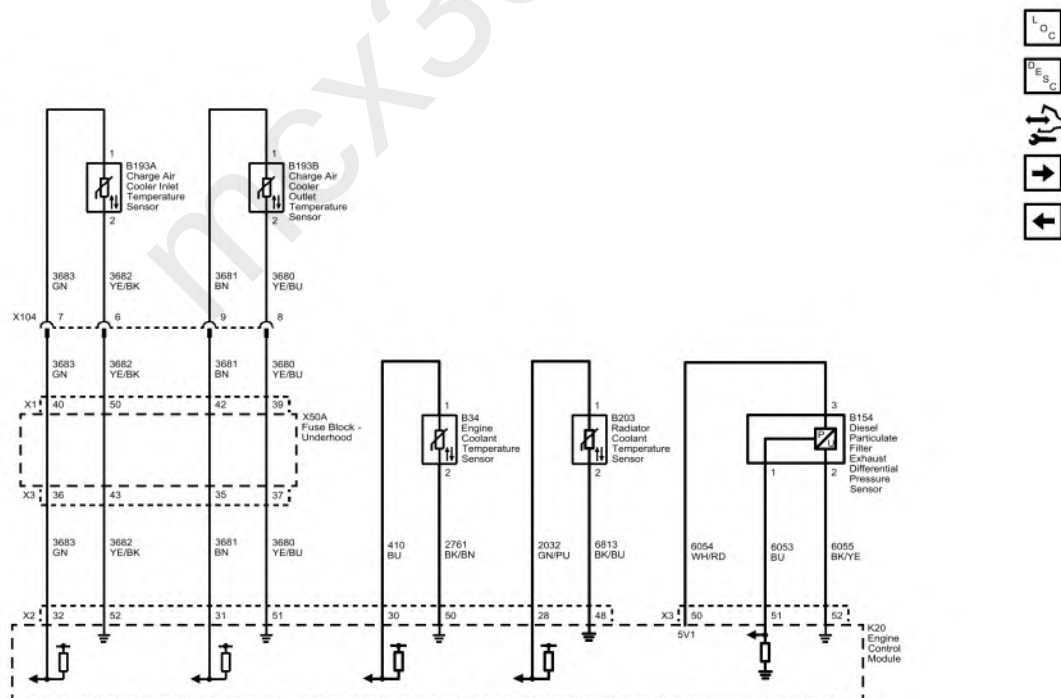


Fig. 5: Engine Data Sensors - Temperature, and Diesel Particulate Filter Exhaust Differential Pressure Sensor

Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Throttle and Brake Sensor Controls

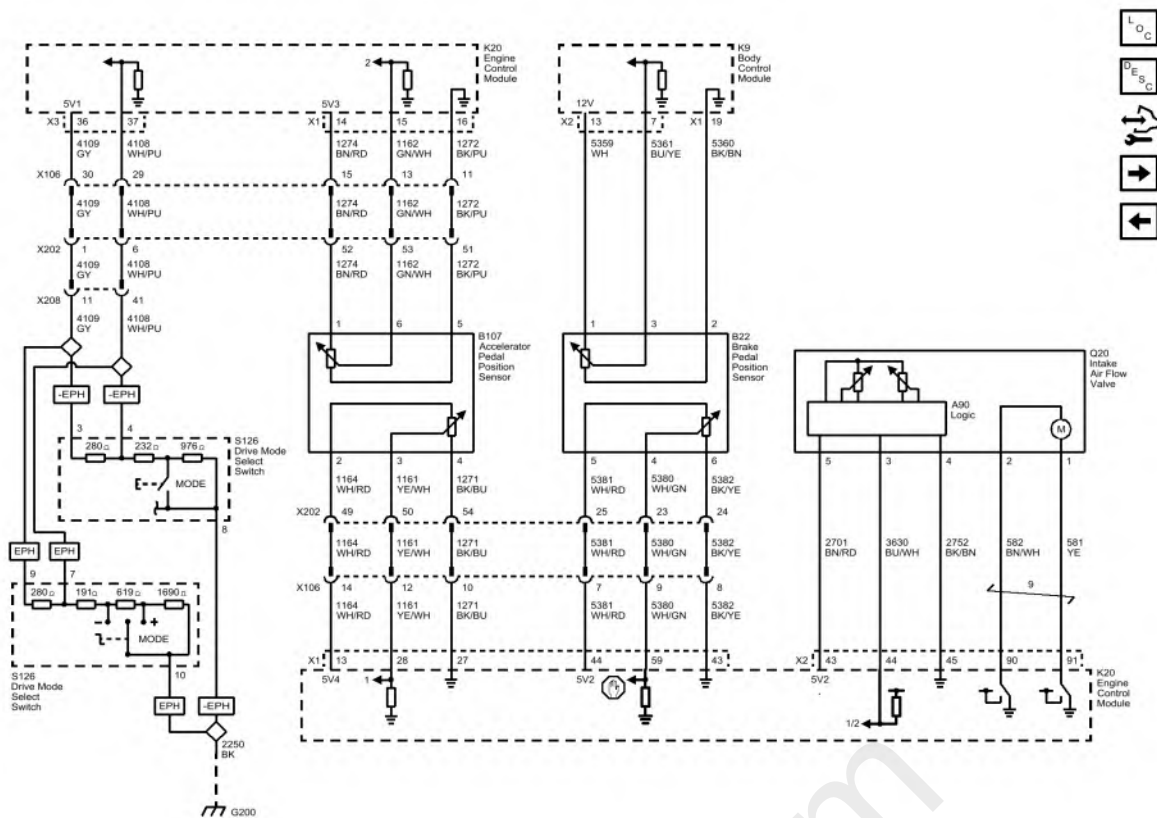


Fig. 6: Engine Data Sensors - Throttle and Brake Sensor Controls
Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Exhaust Temperature Sensors

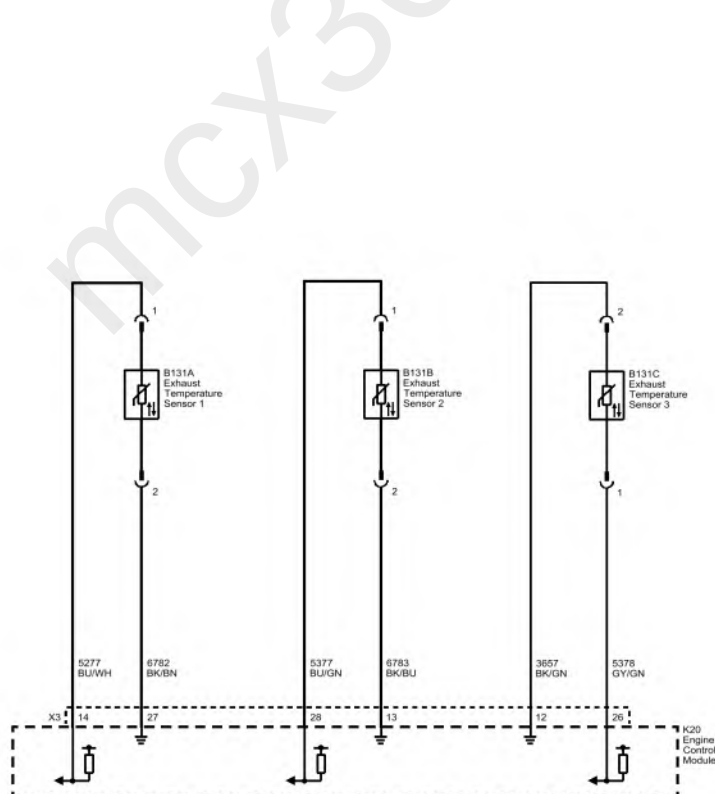


Fig. 7: Engine Data Sensors - Exhaust Temperature Sensors
Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - EGR and Turbocharger Controls

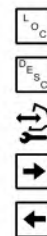
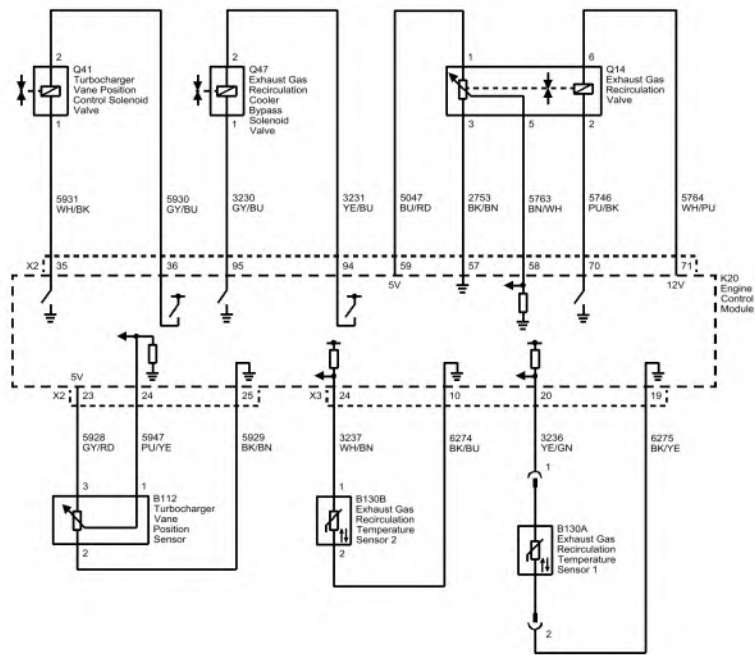


Fig. 8: Engine Data Sensors - EGR and Turbocharger Controls
Courtesy of GENERAL MOTORS COMPANY

Engine Data Sensors - Camshaft, Crankshaft, and Intake Runner Actuator

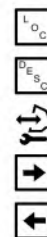
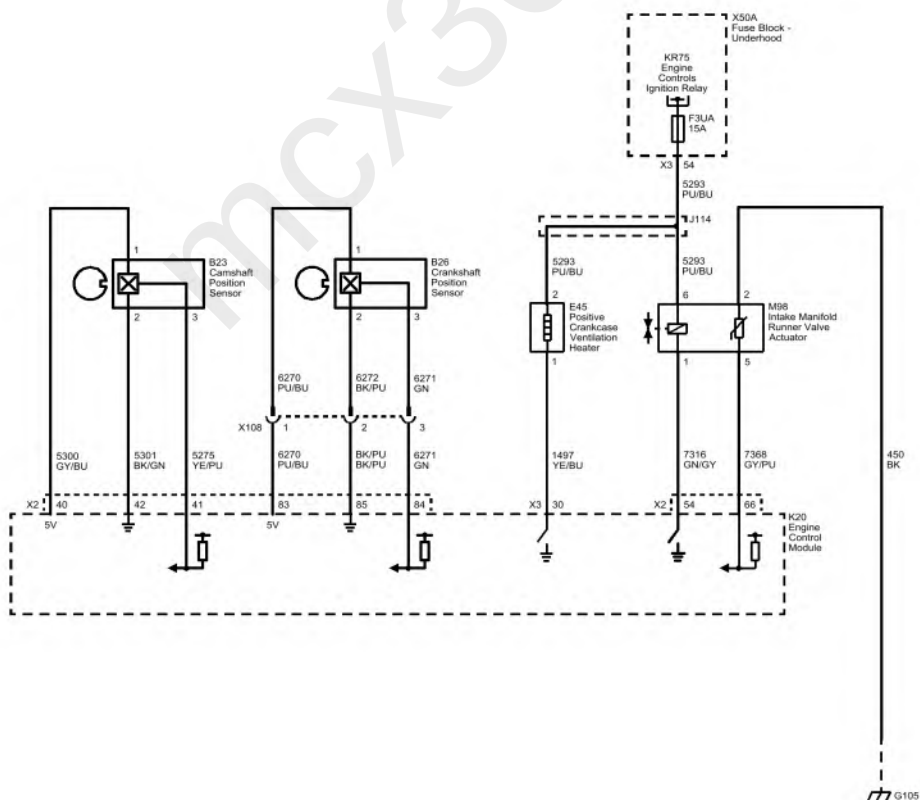


Fig. 9: Engine Data Sensors - Camshaft, Crankshaft, and Intake Runner Actuator
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Rail Sensor, Fuel Pressure Regulator, and Fuel Injectors

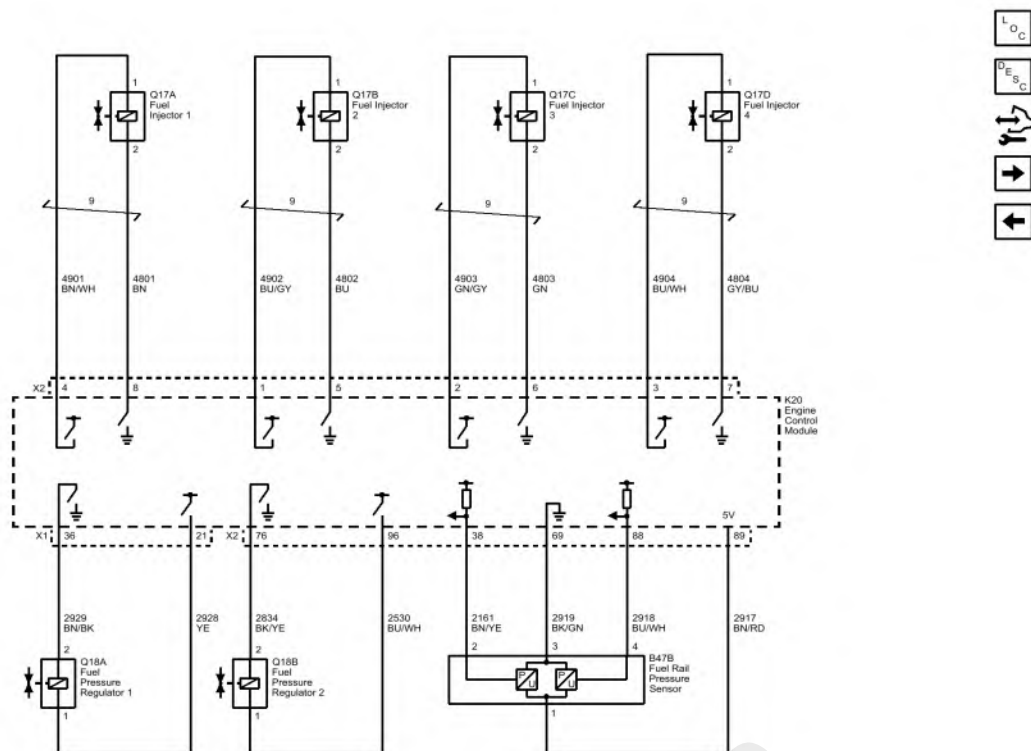


Fig. 10: Fuel Controls - Fuel Rail Sensor, Fuel Pressure Regulator, and Fuel Injectors
 Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Pump Controls

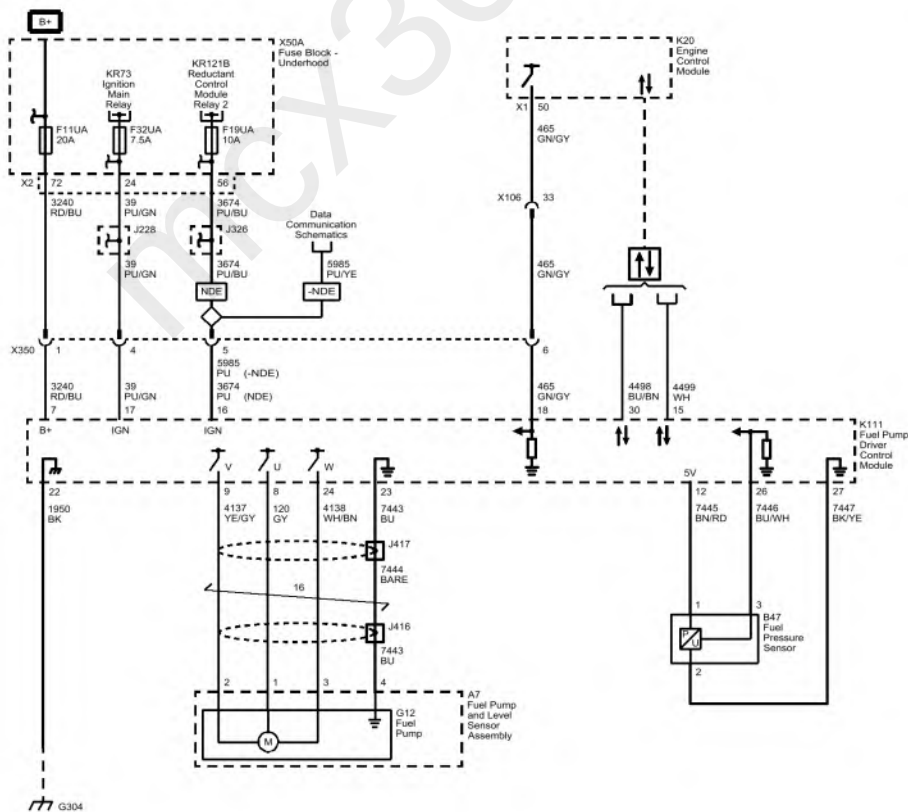


Fig. 11: Fuel Controls - Fuel Pump Controls
 Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Fuel Heater and Water in Fuel Sensor

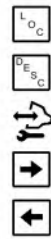
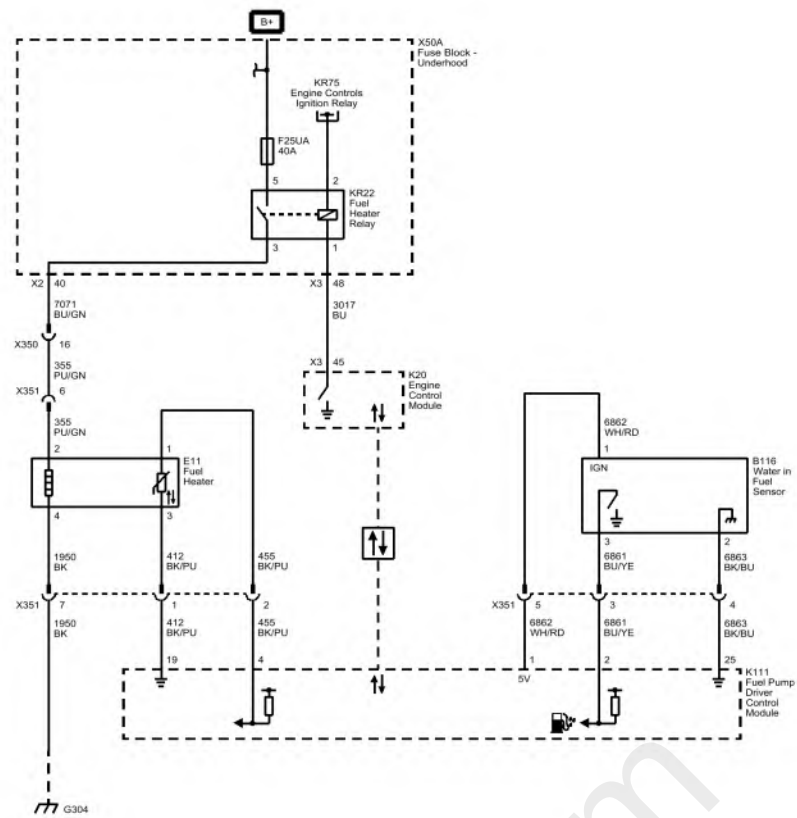


Fig. 12: Fuel Controls - Fuel Heater and Water in Fuel Sensor
Courtesy of GENERAL MOTORS COMPANY

Fuel Controls - Intake Manifold Pressure, and Mass Air Flow Sensor

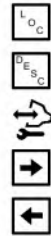
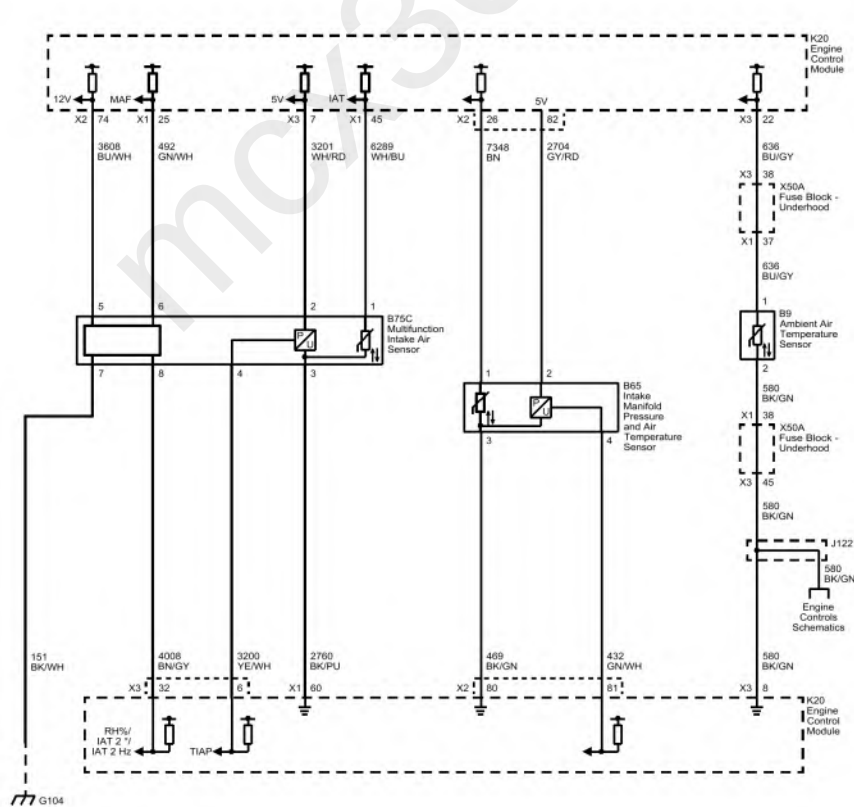


Fig. 13: Fuel Controls - Intake Manifold Pressure, and Mass Air Flow Sensor
Courtesy of GENERAL MOTORS COMPANY

Glow Plug Controls

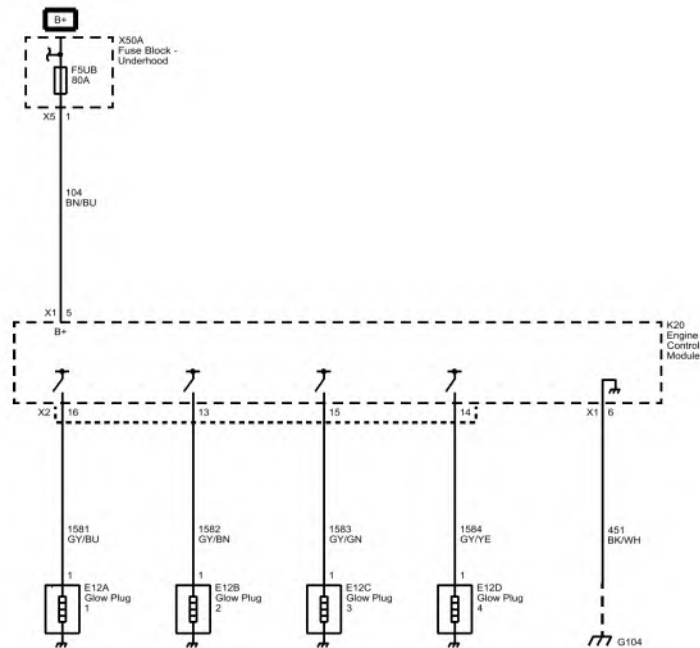


Fig. 14: Glow Plug Controls
Courtesy of GENERAL MOTORS COMPANY

Emission Controls - Reductant System

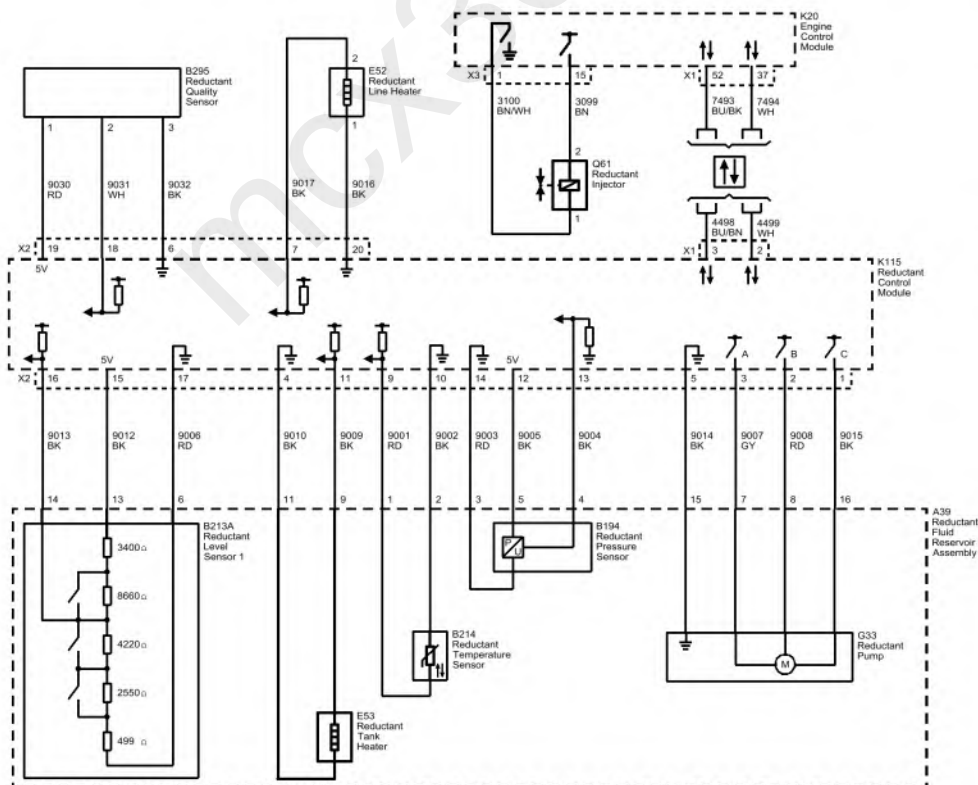


Fig. 15: Emission Controls - Reductant System
Courtesy of GENERAL MOTORS COMPANY

Emission Controls - Nitrogen Oxides, Exhaust Particulate Matter Sensor, and Reductant Sensor Module

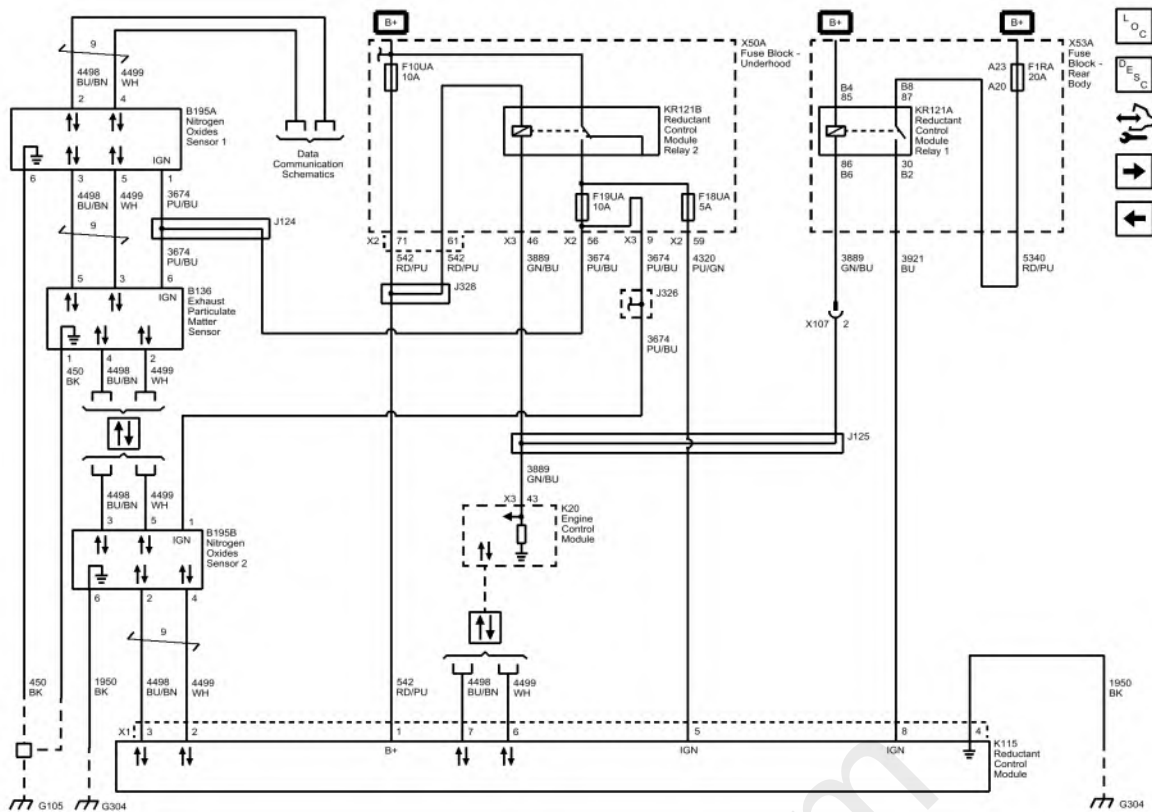


Fig. 16: Emission Controls - Nitrogen Oxides, Exhaust Particulate Matter Sensor, and Reductant Sensor Module

Courtesy of GENERAL MOTORS COMPANY

Blunt Cuts - Cavity Plugs

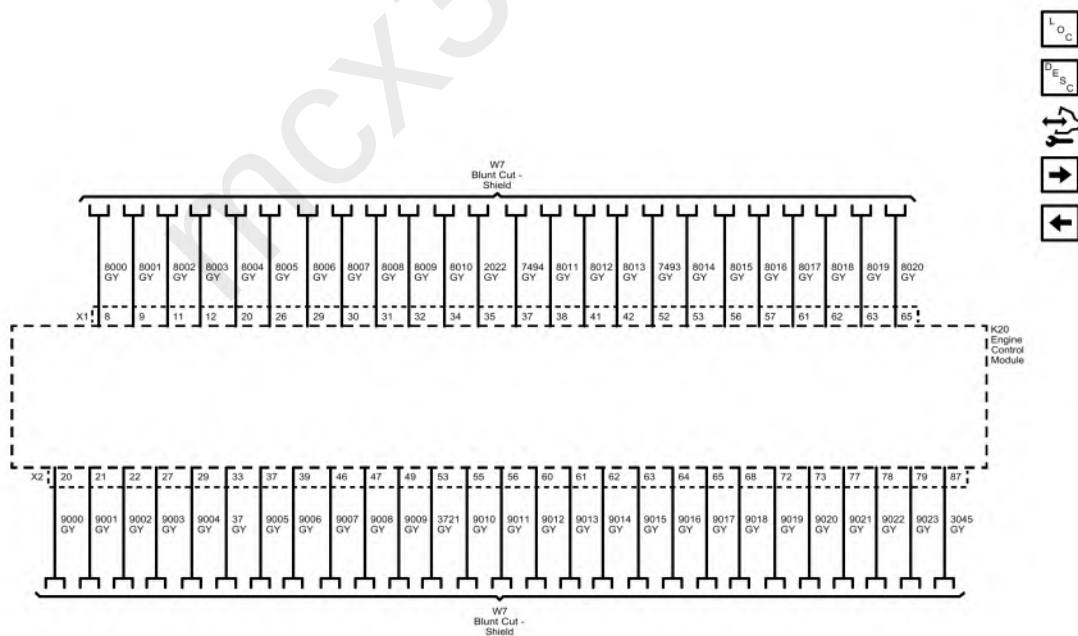


Fig. 17: Blunt Cuts - Cavity Plugs

Courtesy of GENERAL MOTORS COMPANY

Controlled/Monitored Subsystem References

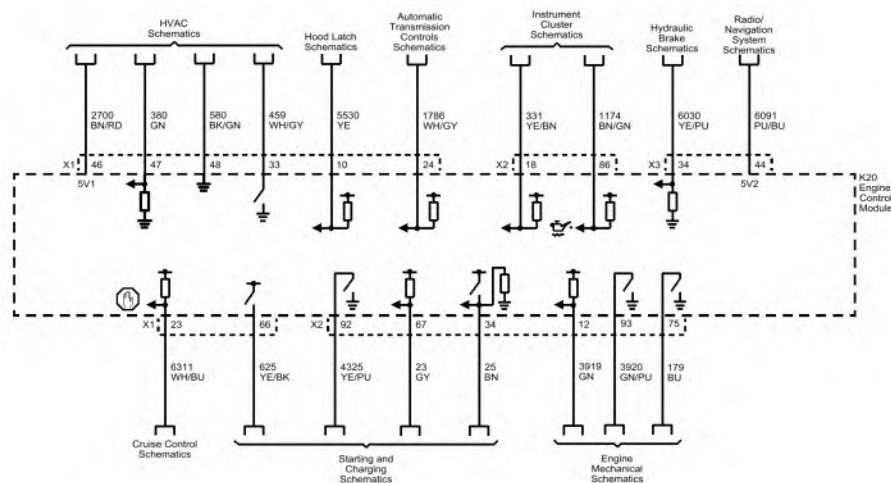


Fig. 18: Controlled/Monitored Subsystem References
Courtesy of GENERAL MOTORS COMPANY