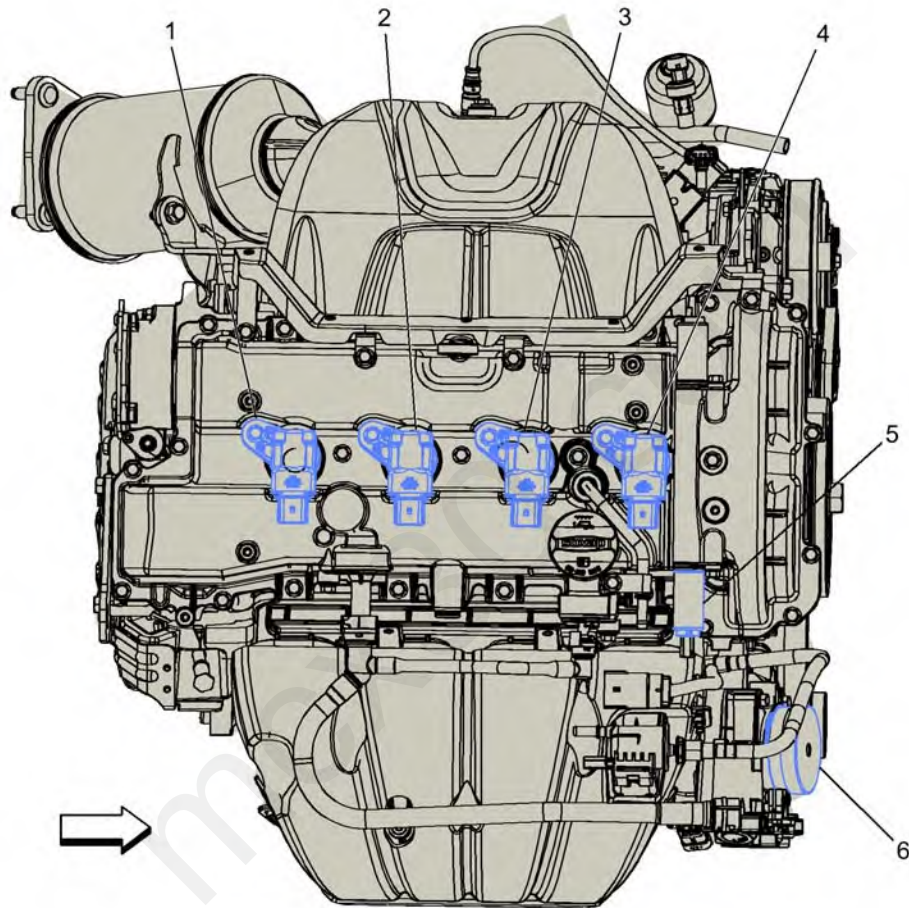


## ELECTRICAL

### Wiring Systems and Power Management - Component Locator - Powertrain Component Views - Canyon, Colorado

## POWERTRAIN COMPONENT VIEWS

### TOP OF ENGINE COMPONENTS (LCV)



**Fig. 1: Top of Engine Components (LCV)**

Courtesy of GENERAL MOTORS COMPANY

#### Items

T8D Ignition Coil 4 **T8D Ignition Coil 4 (LCV)**

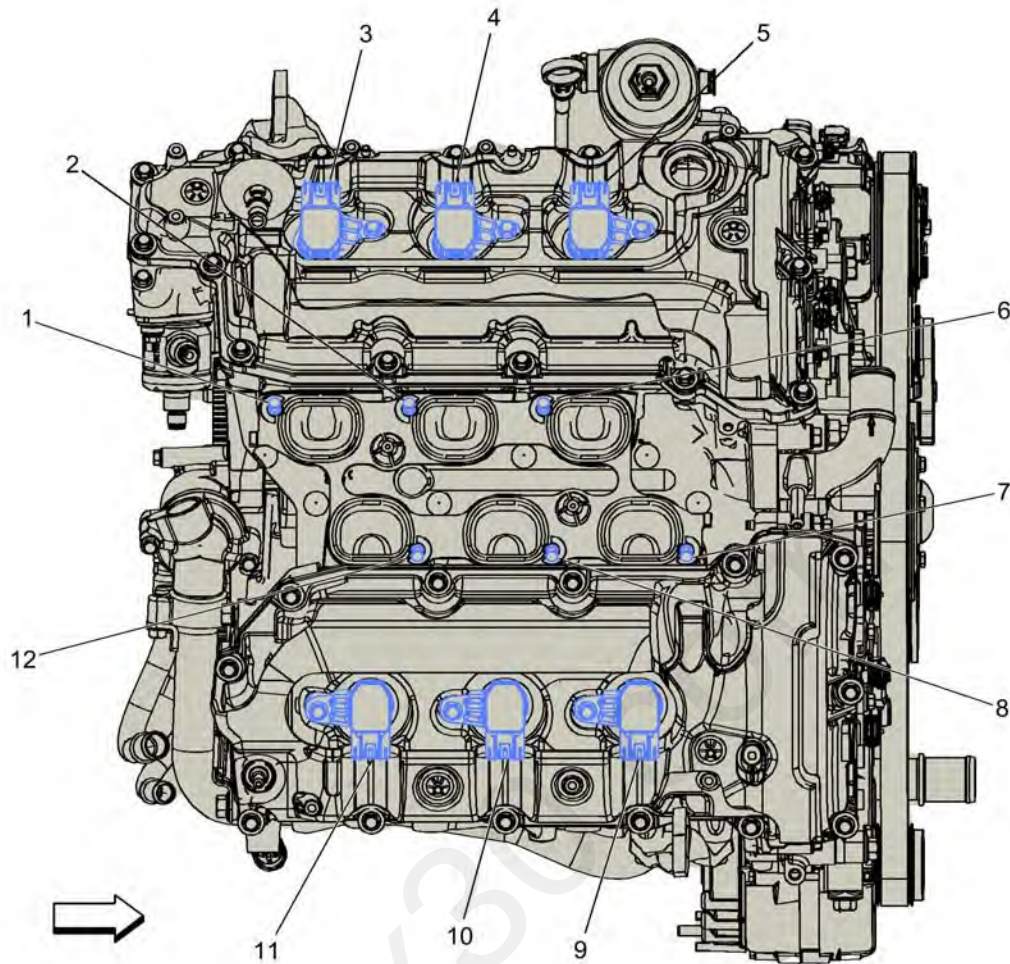
T8C Ignition Coil 3 **T8C Ignition Coil 3 (LCV)**

T8B Ignition Coil 2 **T8B Ignition Coil 2 (LCV)**

T8A Ignition Coil 1 **T8A Ignition Coil 1 (LCV)**

Q6F Camshaft Position Actuator Solenoid Valve - Intake (LCV) **Q6F Camshaft Position Actuator Solenoid Valve - Intake (LCV)**

Q38 Throttle Body **Q38 Throttle Body (LCV/LFX)**

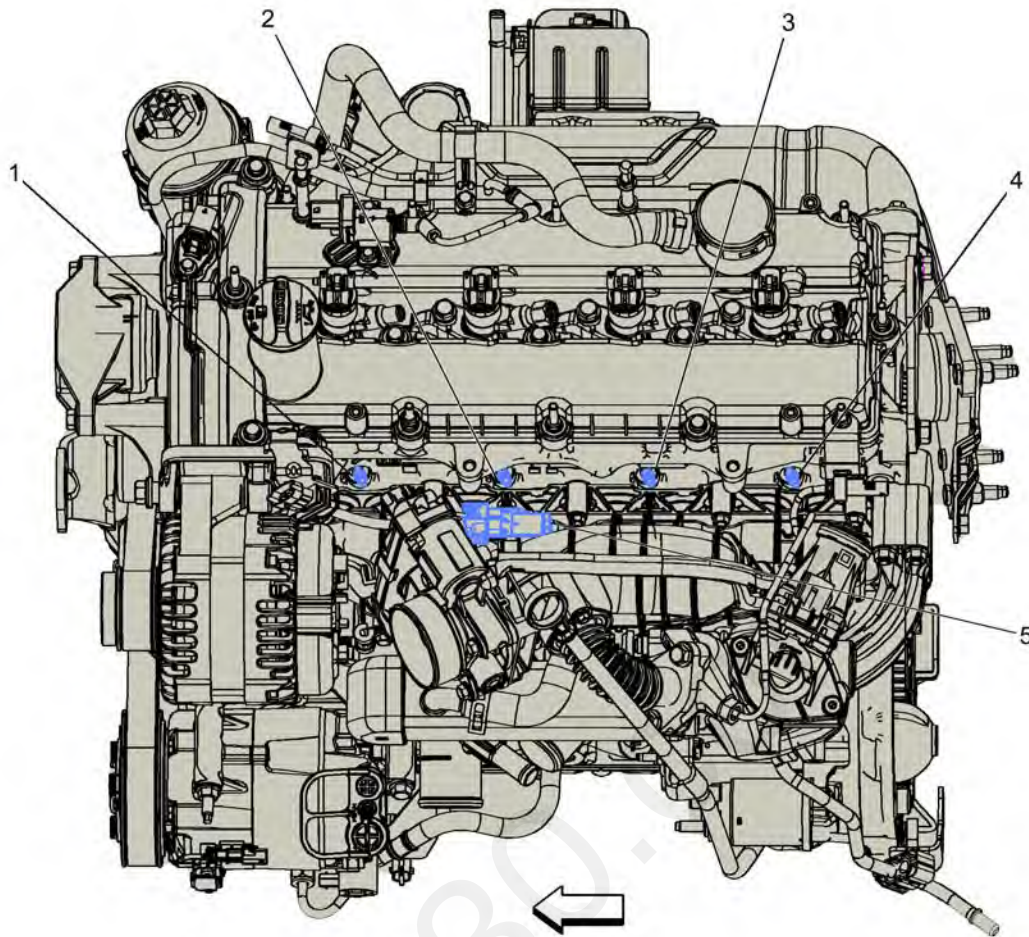


**Fig. 2: Top of Engine Components (LFX)**

Courtesy of GENERAL MOTORS COMPANY

**Items**

- Q17F Fuel Injector 6 (LFX) [Q17F Fuel Injector 6 \(LFX\)](#)
- Q17D Fuel Injector 4 [Q17D Fuel Injector 4 \(LFX\)](#)
- T8F Ignition Coil 6 (LFX) [T8F Ignition Coil 6 \(LFX\)](#)
- T8D Ignition Coil 4 [T8D Ignition Coil 4 \(LFX\)](#)
- T8B Ignition Coil 2 [T8B Ignition Coil 2 \(LFX\)](#)
- Q17B Fuel Injector 2 [Q17B Fuel Injector 2 \(LFX\)](#)
- Q17A Fuel Injector 1 [Q17A Fuel Injector 1 \(LFX\)](#)
- Q17C Fuel Injector 3 [Q17C Fuel Injector 3 \(LFX\)](#)
- T8A Ignition Coil 1 [T8A Ignition Coil 1 \(LFX\)](#)
- T8C Ignition Coil 3 [T8C Ignition Coil 3 \(LCV\)](#)
- T8E Ignition Coil 5 (LFX) [T8E Ignition Coil 5 \(LFX\)](#)
- Q17E Fuel Injector 5 (LFX) [Q17E Fuel Injector 5 \(LFX\)](#)



**Fig. 3: Top of Engine Components (LWN)**  
**Courtesy of GENERAL MOTORS COMPANY**

## Items

E12A Glow Plug 1 (LWN) [E12A Glow Plug 1 \(LWN\)](#)

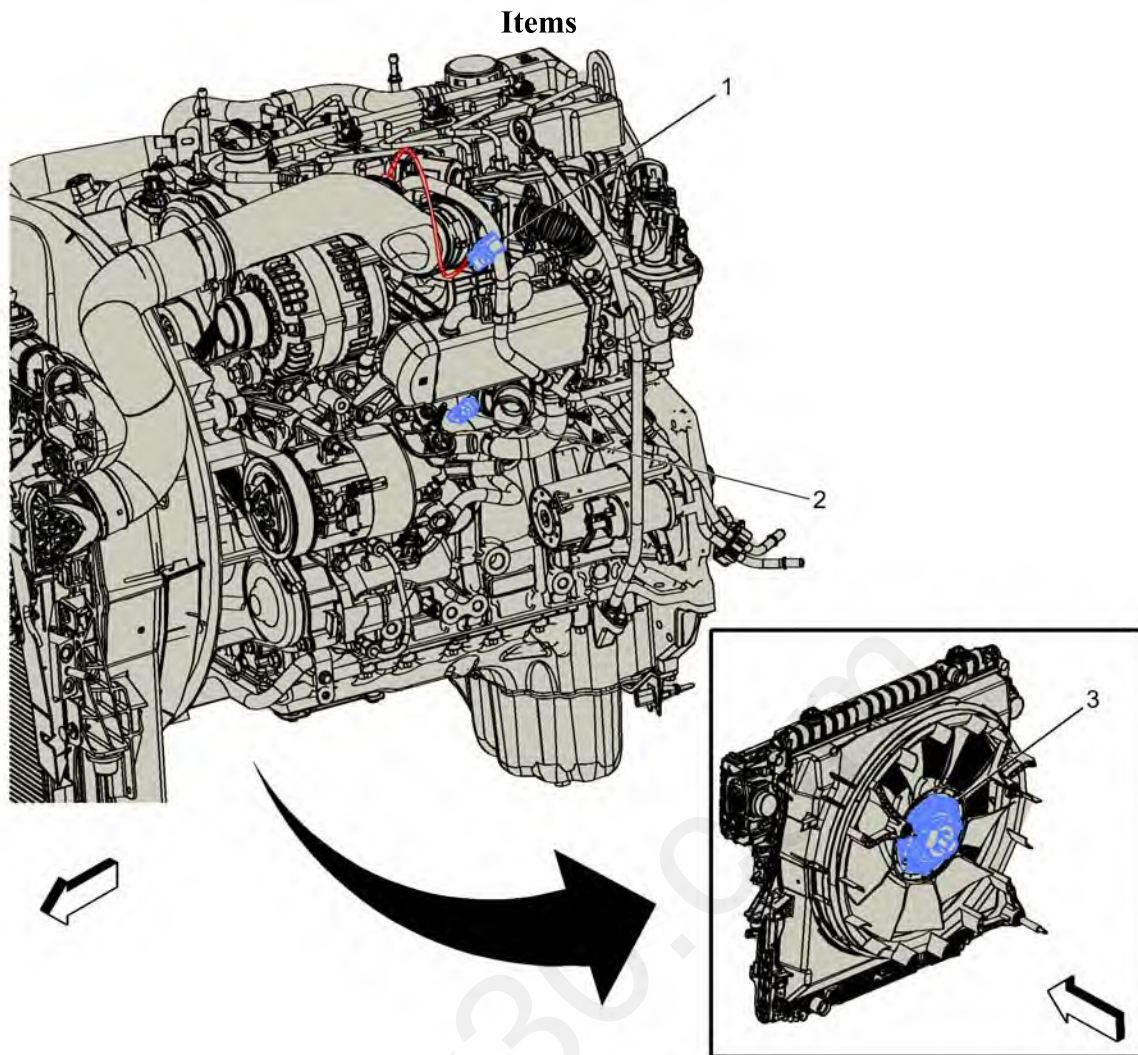
E12B Glow Plug 2 (LWN) [E12B Glow Plug 2 \(LWN\)](#)

E12C Glow Plug 3 (LWN) [E12C Glow Plug 3 \(LWN\)](#)

E12D Glow Plug 4 (LWN) [E12D Glow Plug 4 \(LWN\)](#)

B65 Intake Manifold Pressure and Air Temperature Sensor (LWN) [B65 Intake Manifold Pressure and Air Temperature Sensor \(LWN\)](#)

**LEFT SIDE OF ENGINE COMPONENTS (LWN)**



**Fig. 4: Left Side of Engine Components (LWN)**  
 Courtesy of GENERAL MOTORS COMPANY

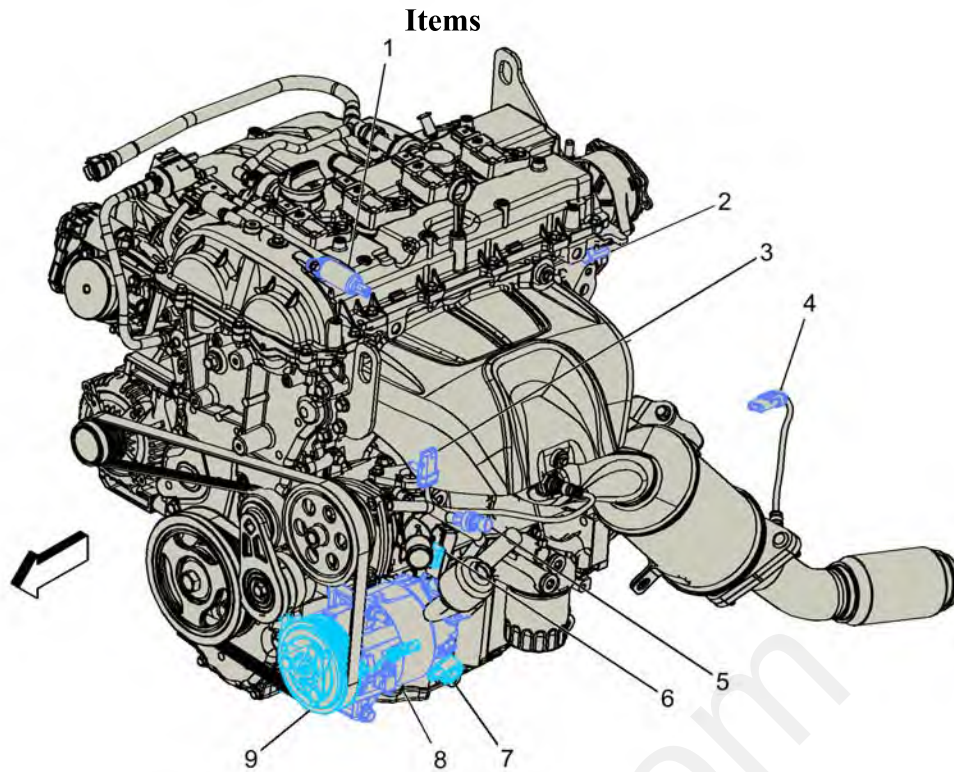
**Items**

B193B Charge Air Cooler Outlet Temperature Sensor (LWN) **B193B Charge Air Cooler Outlet Temperature Sensor (LWN)**

B34 Engine Coolant Temperature Sensor **B34 Engine Coolant Temperature Sensor (LWN)**

Q85 Cooling Fan Clutch (LWN) **Q85 Cooling Fan Clutch (LWN)**

**LEFT FRONT OF THE ENGINE COMPONENTS (LCV)**

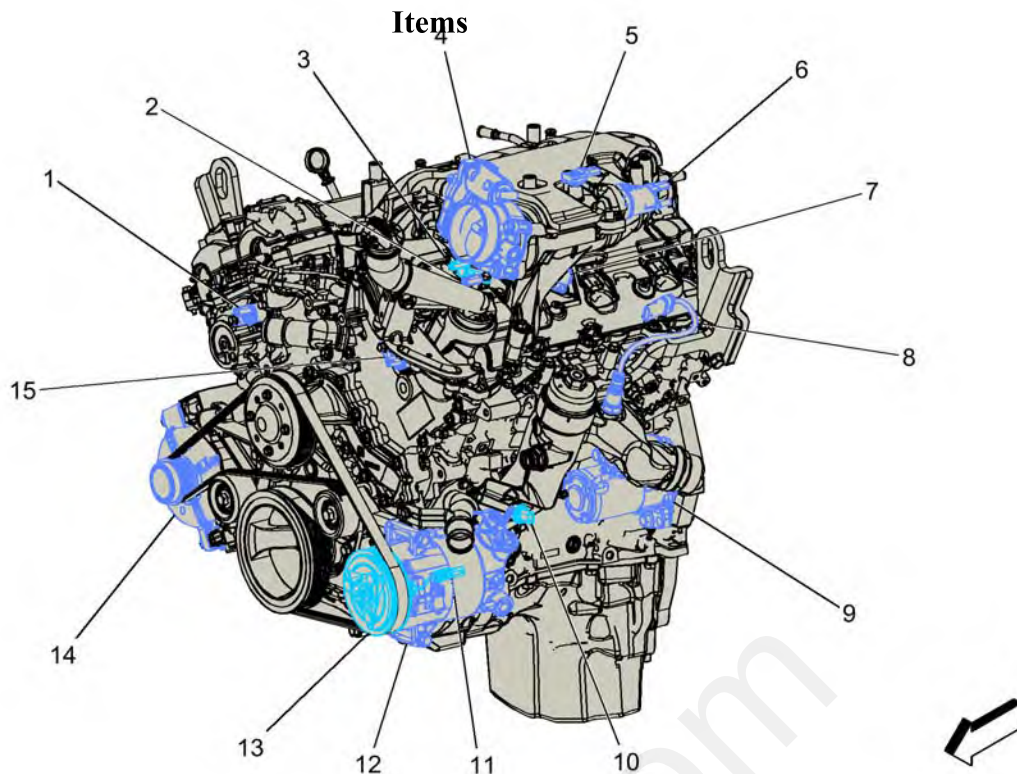


**Fig. 5: Left Front of the Engine Components (LCV)**

Courtesy of GENERAL MOTORS COMPANY

| Items                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Q6E Camshaft Position Actuator Solenoid Valve - Exhaust (LCV) <a href="#"><u>Q6E Camshaft Position Actuator Solenoid Valve - Exhaust (LCV)</u></a> |
| B23E Camshaft Position Sensor - Exhaust (LCV) <a href="#"><u>B23E Camshaft Position Sensor - Exhaust (LCV)</u></a>                                 |
| B52A Heated Oxygen Sensor 1 (LCV) <a href="#"><u>B52A Heated Oxygen Sensor 1 (LCV)</u></a>                                                         |
| B52B Heated Oxygen Sensor 2 (LCV) <a href="#"><u>B52B Heated Oxygen Sensor 2 (LCV)</u></a>                                                         |
| B1 A/C Refrigerant Pressure Sensor <a href="#"><u>B1 A/C Refrigerant Pressure Sensor</u></a>                                                       |
| E41 Engine Coolant Thermostat Heater (LCV) <a href="#"><u>E41 Engine Coolant Thermostat Heater (LCV)</u></a>                                       |
| Q46 A/C Compressor Solenoid Valve <a href="#"><u>Q46 A/C Compressor Solenoid Valve</u></a>                                                         |
| G1 A/C Compressor                                                                                                                                  |
| Q2 A/C Compressor Clutch <a href="#"><u>Q2 A/C Compressor Clutch</u></a>                                                                           |

## **LEFT FRONT OF THE ENGINE COMPONENTS (LFX)**



**Fig. 6: Left Front of the Engine Components (LFX)**

Courtesy of GENERAL MOTORS COMPANY

| Items                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LFX) <a href="#"><u>Q6A Camshaft Position Actuator Solenoid Valve - Bank 1 Exhaust (LFX)</u></a> |
| B23A Camshaft Position Sensor - Bank 1 Exhaust (LFX) <a href="#"><u>B23A Camshaft Position Sensor - Bank 1 Exhaust (LFX)</u></a>                                 |
| Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LFX) <a href="#"><u>Q6B Camshaft Position Actuator Solenoid Valve - Bank 1 Intake (LFX)</u></a>   |
| B23B Camshaft Position Sensor - Bank 1 Intake (LFX) <a href="#"><u>B23B Camshaft Position Sensor - Bank 1 Intake (LFX)</u></a>                                   |
| Q38 Throttle Body <a href="#"><u>Q38 Throttle Body (LCV/LFX)</u></a> <a href="#"><u>Q38 Throttle Body (LFX)</u></a>                                              |
| B23C Camshaft Position Sensor - Bank 2 Exhaust (LFX) <a href="#"><u>B23C Camshaft Position Sensor - Bank 2 Exhaust (LFX)</u></a>                                 |
| Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LFX) <a href="#"><u>Q6D Camshaft Position Actuator Solenoid Valve - Bank 2 Intake (LFX)</u></a>   |
| Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LFX) <a href="#"><u>Q6C Camshaft Position Actuator Solenoid Valve - Bank 2 Exhaust (LFX)</u></a> |
| B23D Camshaft Position Sensor - Bank 2 Intake (LFX) <a href="#"><u>B23D Camshaft Position Sensor - Bank 2 Intake (LFX)</u></a>                                   |
| B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX) <a href="#"><u>B52E Heated Oxygen Sensor - Bank 2 Sensor 1 (LFX)</u></a>                                       |
| B34 Engine Coolant Temperature Sensor <a href="#"><u>B34 Engine Coolant Temperature Sensor (LFX)</u></a>                                                         |
| B37B Engine Oil Pressure Sensor <a href="#"><u>B37B Engine Oil Pressure Sensor (LFX)</u></a>                                                                     |
| M64 Starter Motor <a href="#"><u>M64 Starter Motor X1 (LFX)</u></a> <a href="#"><u>M64 Starter Motor X2 (LFX)</u></a>                                            |
| B68B Knock Sensor 2 <a href="#"><u>B68B Knock Sensor 2 (LFX)</u></a>                                                                                             |
| Q46 A/C Compressor Solenoid Valve <a href="#"><u>Q46 A/C Compressor Solenoid Valve</u></a>                                                                       |

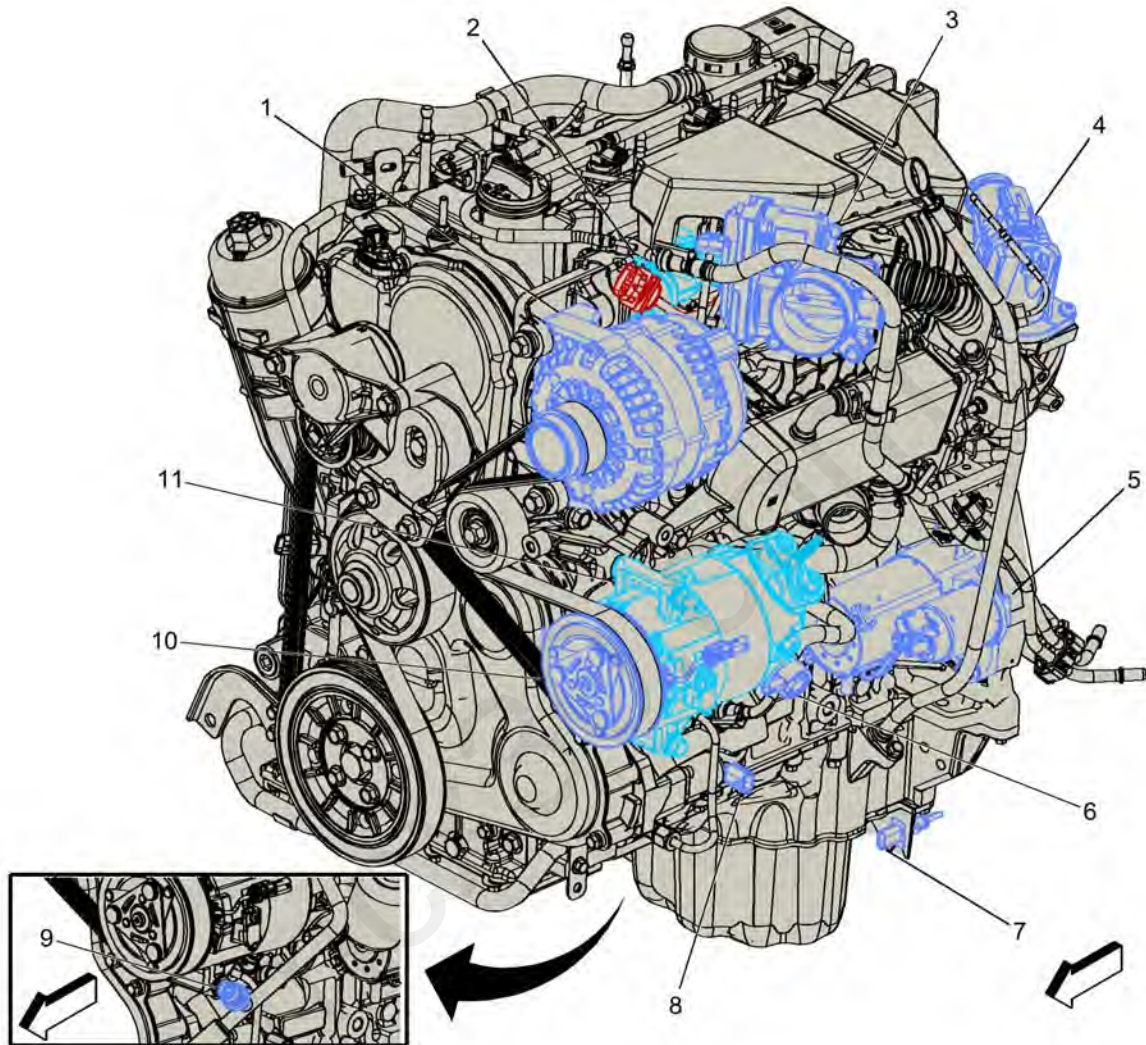
## Items

G1 A/C Compressor

Q2 A/C Compressor Clutch **Q2 A/C Compressor Clutch**

B1 A/C Refrigerant Pressure Sensor **B1 A/C Refrigerant Pressure Sensor**

## LEFT FRONT OF THE ENGINE COMPONENTS (LWN)



**Fig. 7: Left Front of the Engine Components (LWN)**

Courtesy of GENERAL MOTORS COMPANY

## Items

G13 Generator **G13 Generator**

Q18B Fuel Pressure Regulator 2 (LWN) **Q18B Fuel Pressure Regulator 2 (LWN)**

Q38 Throttle Body **Q38 Throttle Body (LWN)**

Q14 Exhaust Gas Recirculation Valve (LWN) **Q14 Exhaust Gas Recirculation Valve (LWN)**

M64 Starter Motor **M64 Starter Motor X1 (LWN) M64 Starter Motor X2 (LWN)**

Q46 A/C Compressor Solenoid Valve **Q46 A/C Compressor Solenoid Valve**

B26 Crankshaft Position Sensor **B26 Crankshaft Position Sensor (LCV/LWN) B26 Crankshaft Position Sensor (LWN)**

Q18A Fuel Pressure Regulator 1 (LWN) **Q18A Fuel Pressure Regulator 1 (LWN)**

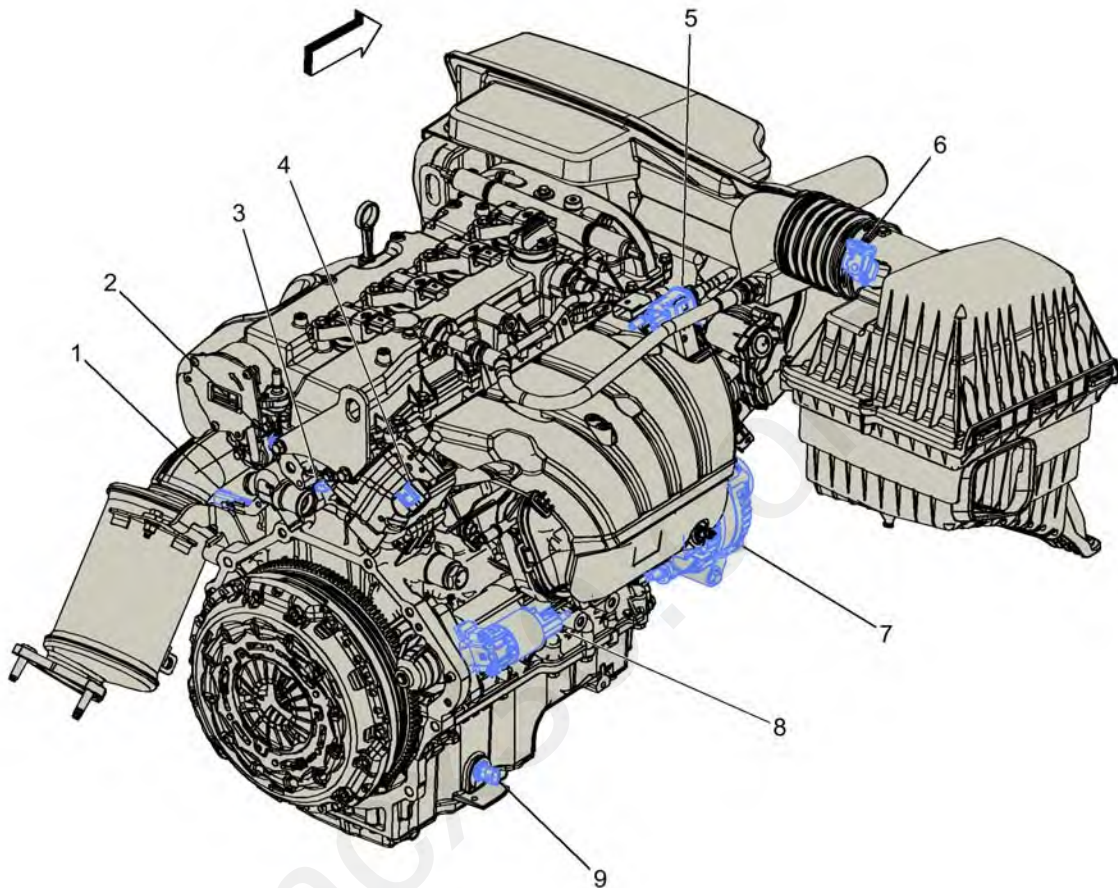
B1 A/C Refrigerant Pressure Sensor **B1 A/C Refrigerant Pressure Sensor**

### Items

Q2 A/C Compressor Clutch [Q2 A/C Compressor Clutch](#)

G1 A/C Compressor

### RIGHT REAR OF ENGINE COMPONENTS (LCV)



**Fig. 8: Right Rear of Engine Components (LCV)**

Courtesy of GENERAL MOTORS COMPANY

### Items

Q44 Engine Oil Pressure Control Solenoid Valve (LCV) [Q44 Engine Oil Pressure Control Solenoid Valve \(LCV\)](#)

B34 Engine Coolant Temperature Sensor [B34 Engine Coolant Temperature Sensor \(LCV\)](#)

B23F Camshaft Position Sensor - Intake (LCV) [B23F Camshaft Position Sensor - Intake \(LCV\)](#)

G18 High Pressure Fuel Pump [G18 High Pressure Fuel Pump \(LCV\)](#)

Q12 Evaporative Emission Purge Solenoid Valve [Q12 Evaporative Emission Purge Solenoid Valve \(LCV\)](#)

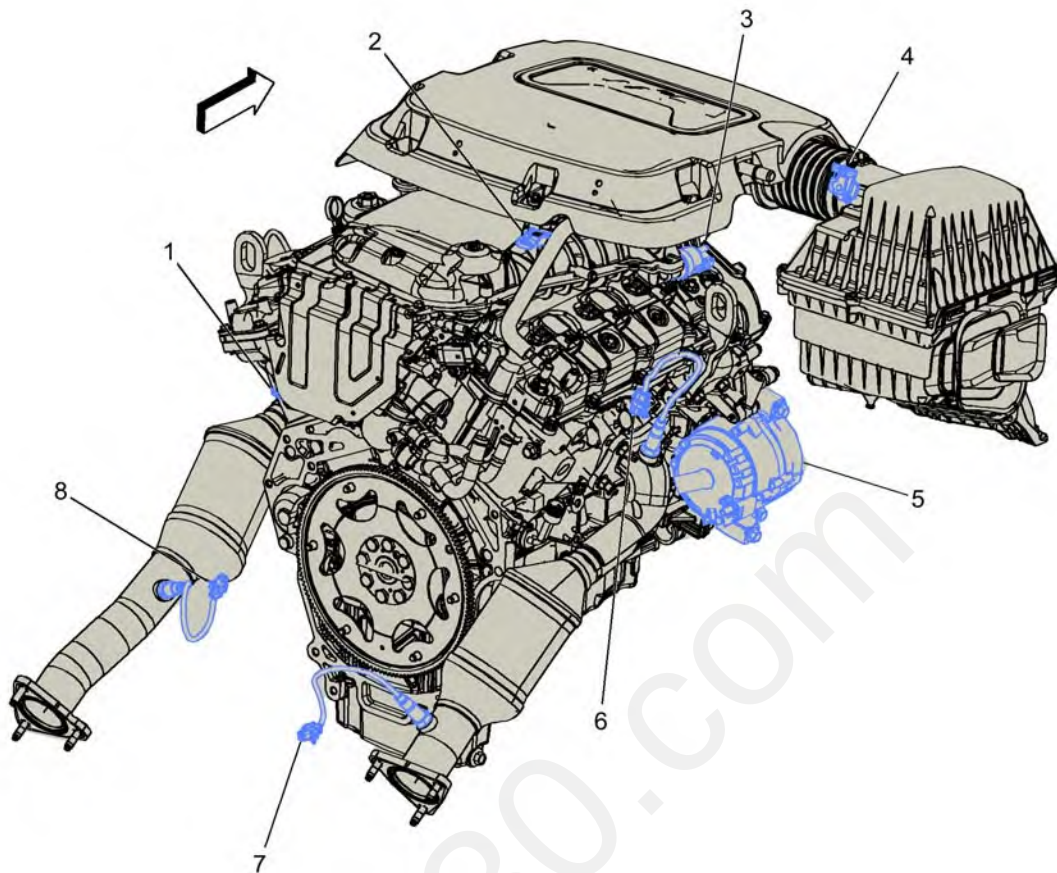
B75C Multifunction Intake Air Sensor [B75C Multifunction Intake Air Sensor](#)

G13 Generator [G13 Generator](#)

M64 Starter Motor [M64 Starter Motor X1 \(LCV\)](#) [M64 Starter Motor X2 \(LCV\)](#)

B35 Engine Oil Level Switch [B35 Engine Oil Level Switch \(LCV\)](#)

## OF ENGINE COMPONENTS (LFX)



**Fig. 9: Right Rear of Engine Components (LFX)**

Courtesy of GENERAL MOTORS COMPANY

### Items

G18 High Pressure Fuel Pump **G18 High Pressure Fuel Pump (LFX)**

B74 Manifold Absolute Pressure Sensor **B74 Manifold Absolute Pressure Sensor**

Q12 Evaporative Emission Purge Solenoid Valve **Q12 Evaporative Emission Purge Solenoid Valve (LFX)**

B75C Multifunction Intake Air Sensor **B75C Multifunction Intake Air Sensor**

G13 Generator **G13 Generator**

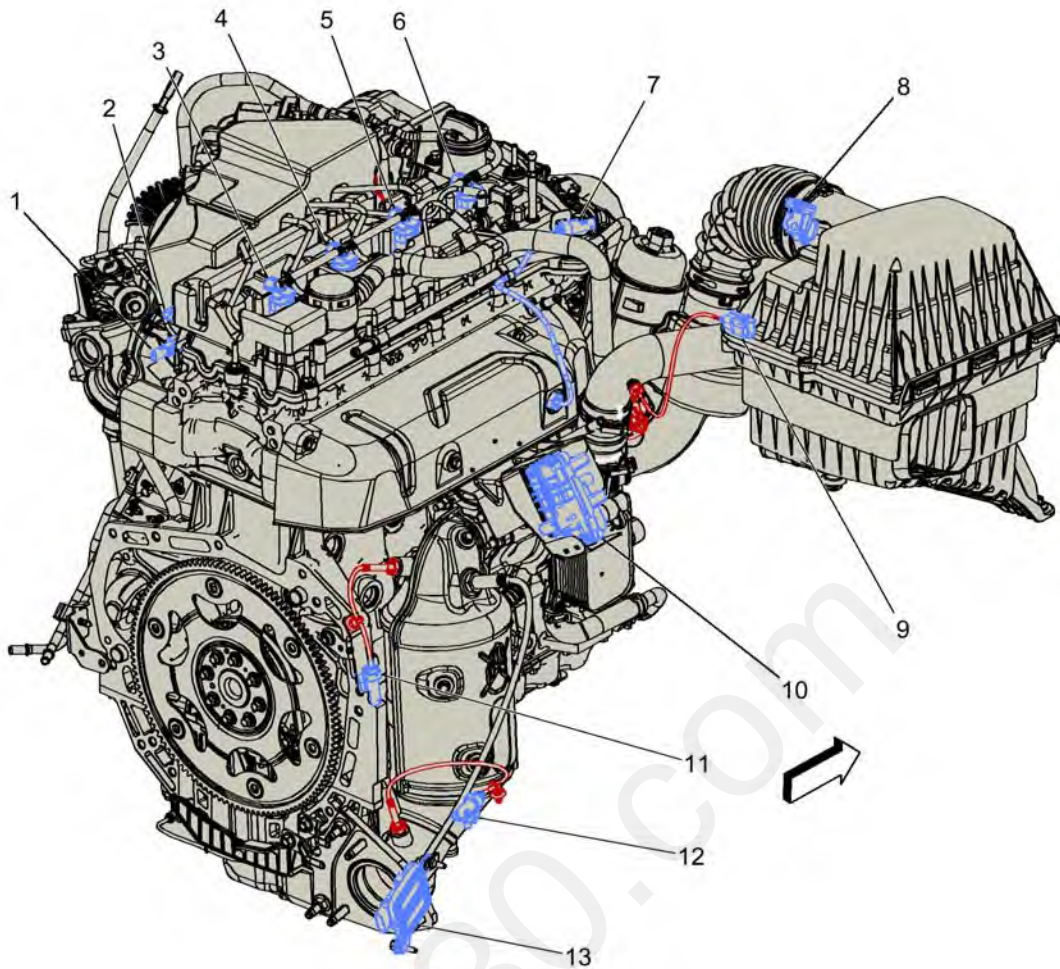
B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX) **B52C Heated Oxygen Sensor - Bank 1 Sensor 1 (LFX)**

B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX) **B52D Heated Oxygen Sensor - Bank 1 Sensor 2 (LFX)**

B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX) **B52F Heated Oxygen Sensor - Bank 2 Sensor 2 (LFX)**

## RIGHT REAR OF ENGINE COMPONENTS (LWN)

## Items



**Fig. 10: Right Rear of Engine Components (LWN)**

Courtesy of GENERAL MOTORS COMPANY

## Items

B130B Exhaust Gas Recirculation Temperature Sensor 2 (LWN) [B130B Exhaust Gas Recirculation Temperature Sensor 2 \(LWN\)](#)

B47B Fuel Rail Pressure Sensor [B47B Fuel Rail Pressure Sensor \(LWN\)](#)

Q17D Fuel Injector 4 [Q17D Fuel Injector 4 \(LWN\)](#)

Q17C Fuel Injector 3 [Q17C Fuel Injector 3 \(LWN\)](#)

Q17B Fuel Injector 2 [Q17B Fuel Injector 2 \(LWN\)](#)

Q17A Fuel Injector 1 [Q17A Fuel Injector 1 \(LWN\)](#)

B130A Exhaust Gas Recirculation Temperature Sensor 1 (LWN) [B130A Exhaust Gas Recirculation Temperature Sensor 1 \(LWN\)](#)

B75C Multifunction Intake Air Sensor [B75C Multifunction Intake Air Sensor](#)

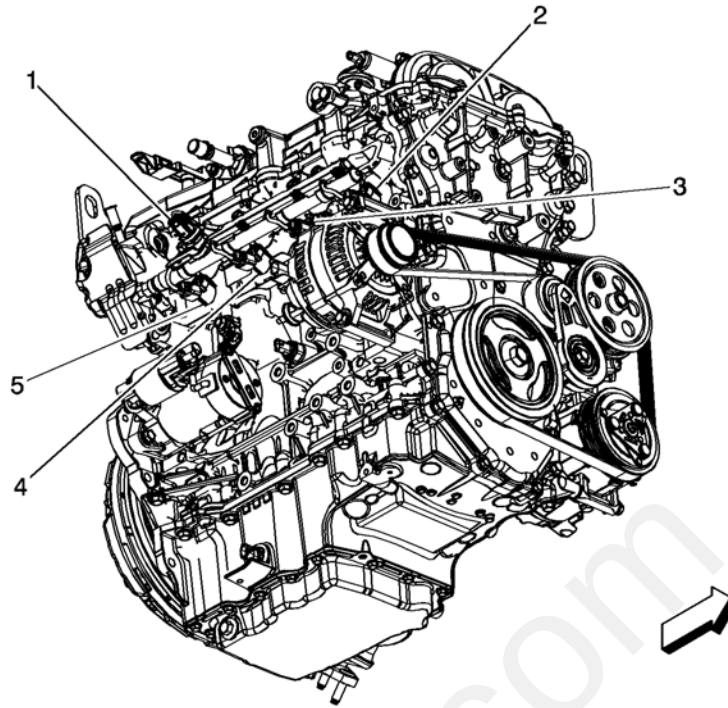
B193A Charge Air Cooler Inlet Temperature Sensor (LWN) [B193A Charge Air Cooler Inlet Temperature Sensor \(LWN\)](#)

M103 Turbocharger Vane Position Actuator (LWN) [M103 Turbocharger Vane Position Actuator \(LWN\)](#)

B131A Exhaust Temperature Sensor 1 (LWN) [B131A Exhaust Temperature Sensor 1 \(LWN\)](#)

B131B Exhaust Temperature Sensor 2 (LWN) [B131B Exhaust Temperature Sensor 2 \(LWN\)](#)

B195A Nitrogen Oxides Sensor 1 (LWN) [B195A Nitrogen Oxides Sensor 1 \(LWN\)](#)



**Fig. 11: Right Top of Engine Components (LCV)**

Courtesy of GENERAL MOTORS COMPANY

**Items**

B47B Fuel Rail Pressure Sensor **B47B Fuel Rail Pressure Sensor (LCV or LTG)**

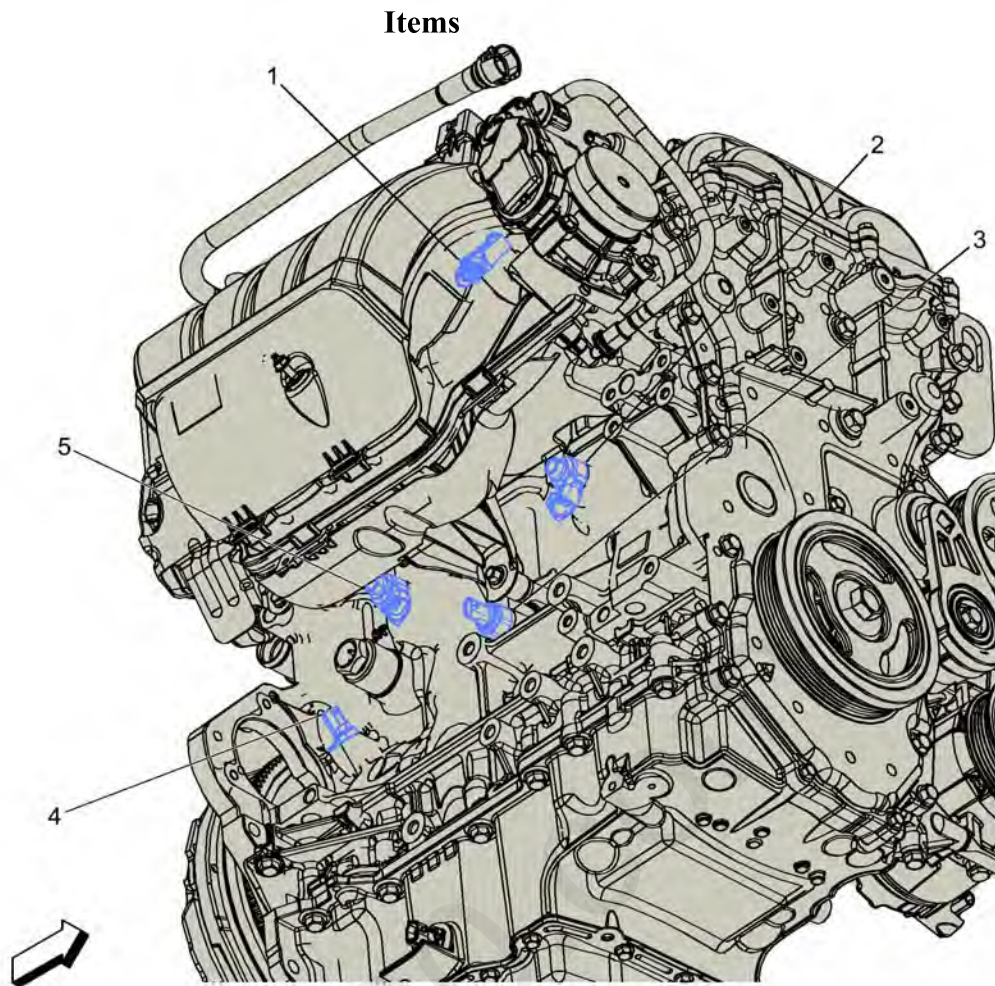
Q17A Fuel Injector 1 **Q17A Fuel Injector 1 (LCV or LTG)**

Q17B Fuel Injector 2 **Q17B Fuel Injector 2 (LCV or LTG)**

Q17C Fuel Injector 3 **Q17C Fuel Injector 3 (LCV or LTG)**

Q17D Fuel Injector 4 **Q17D Fuel Injector 4 (LCV or LTG)**

**RIGHT BOTTOM OF ENGINE COMPONENTS (LCV)**



**Fig. 12: Right Bottom of Engine Components (LCV)**  
**Courtesy of GENERAL MOTORS COMPANY**

**Items**

B74 Manifold Absolute Pressure Sensor **B74 Manifold Absolute Pressure Sensor**

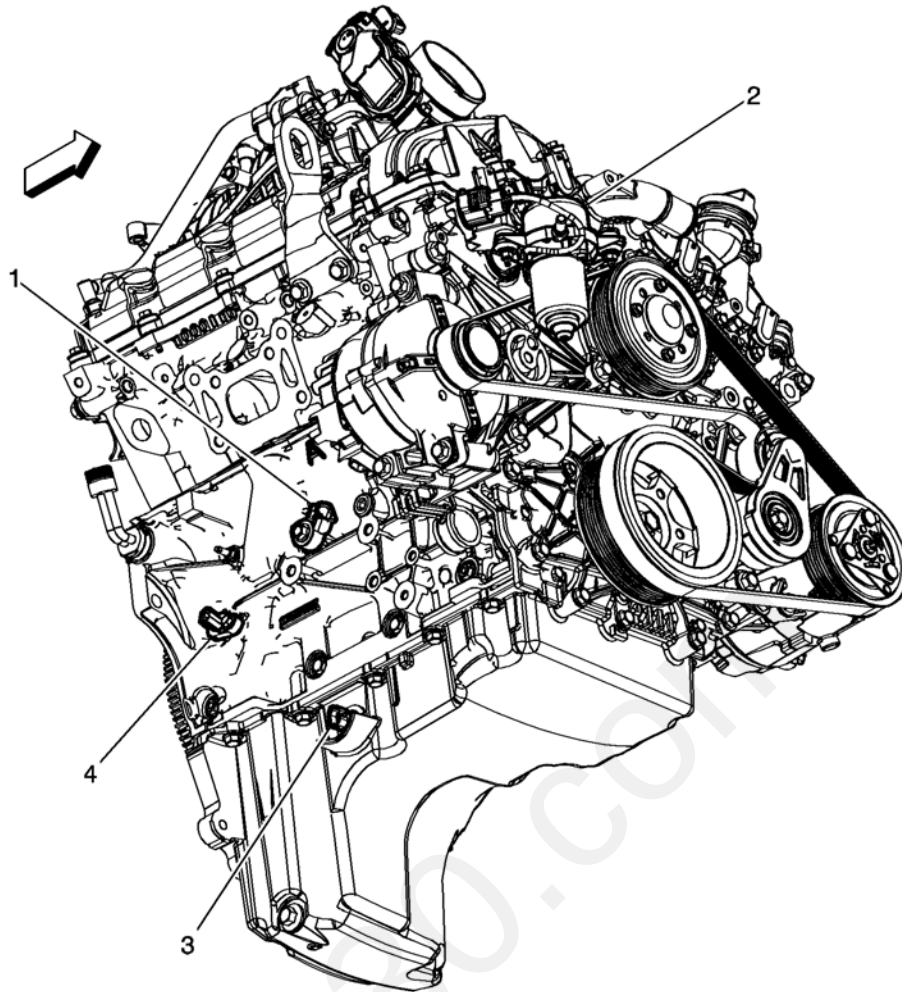
B68A Knock Sensor 1 **B68A Knock Sensor 1 (LCV)**

B37B Engine Oil Pressure Sensor **B37B Engine Oil Pressure Sensor (LCV)**

B26 Crankshaft Position Sensor **B26 Crankshaft Position Sensor (LCV/LWN)**

B68B Knock Sensor 2 **B68B Knock Sensor 2 (LCV)**

**RIGHT BOTTOM OF ENGINE COMPONENTS (LFX)**



**Fig. 13: Right Bottom of Engine Components (LFX)**

Courtesy of GENERAL MOTORS COMPANY

## Items

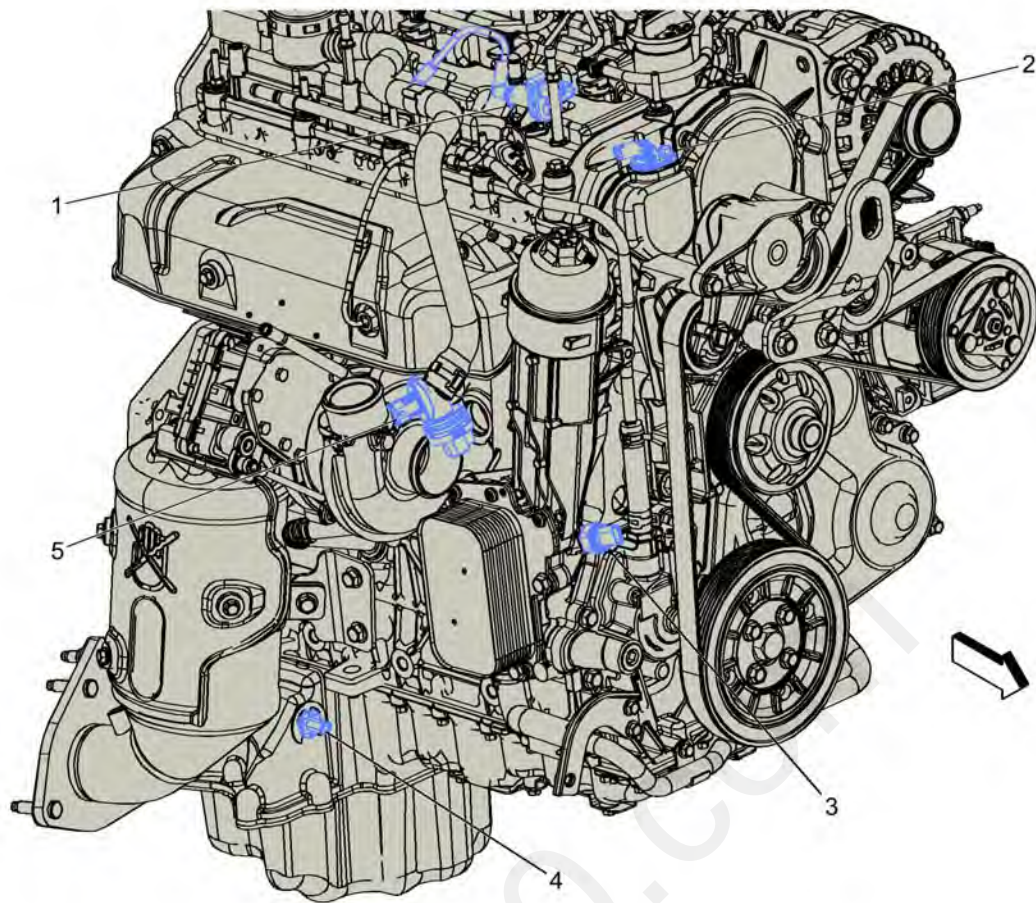
B68A Knock Sensor 1 **B68A Knock Sensor 1 (LFX)**

M9 Brake Booster Pump Motor (LFX) **M9 Brake Booster Pump Motor (LFX)**

B35 Engine Oil Level Switch **B35 Engine Oil Level Switch (LFX)**

B26 Crankshaft Position Sensor **B26 Crankshaft Position Sensor (LFX)**

**RIGHT BOTTOM OF ENGINE COMPONENTS (LWN)**



**Fig. 14: Right Bottom of Engine Components (LWN)**

Courtesy of GENERAL MOTORS COMPANY

**Items**

Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve (LWN) [Q47 Exhaust Gas Recirculation Cooler Bypass Solenoid Valve \(LWN\)](#)

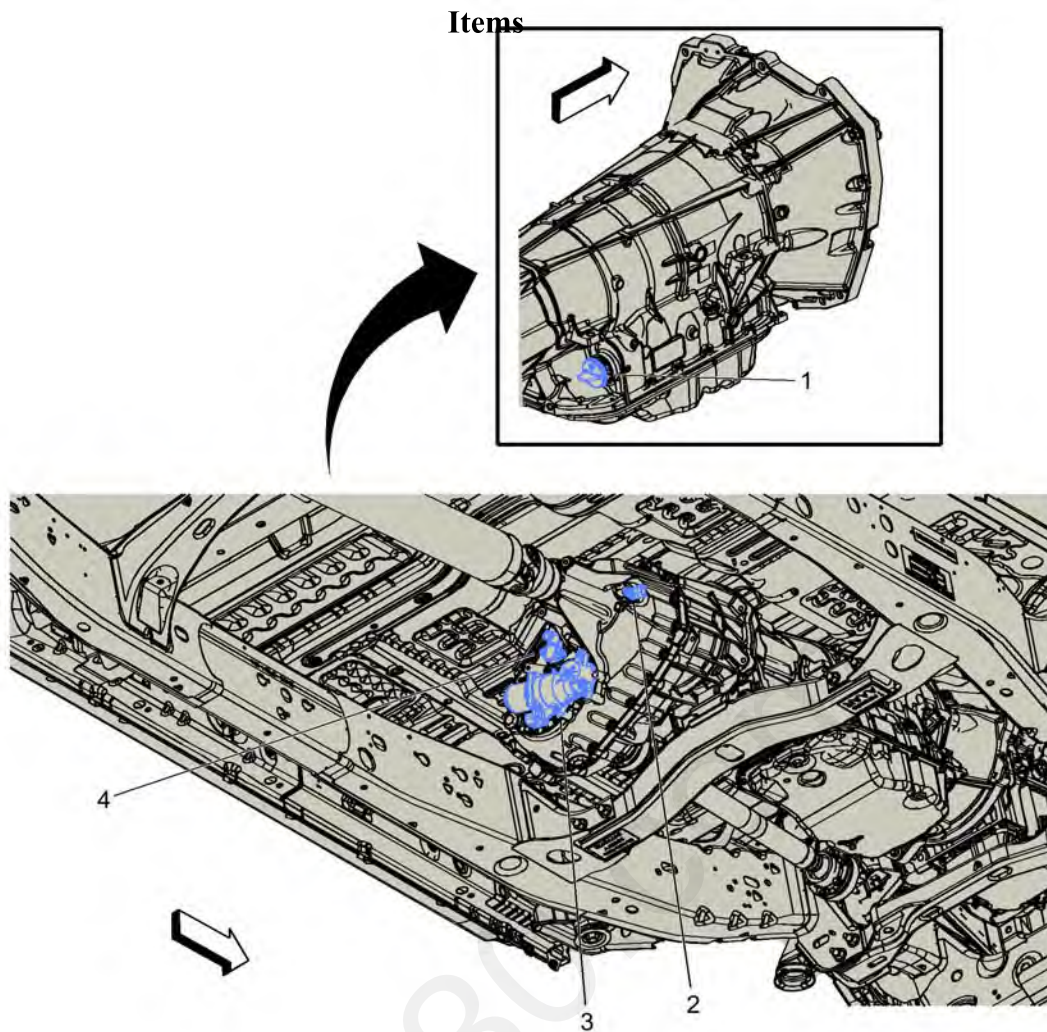
B23 Camshaft Position Sensor (LWN) [B23F Camshaft Position Sensor - Intake \(LWN\)](#)

B37B Engine Oil Pressure Sensor [B37B Engine Oil Pressure Sensor \(LWN\)](#)

B35 Engine Oil Level Switch [B35 Engine Oil Level Switch \(LWN\)](#)

E45 Positive Crankcase Ventilation Heater (LWN) [E45 Positive Crankcase Ventilation Heater \(LWN\)](#)

**AUTOMATIC TRANSMISSION COMPONENTS (MYB WITH NQ6/NQ7)**



**Fig. 15: Automatic Transmission Components (MYB with NQ6/NQ7)**

Courtesy of GENERAL MOTORS COMPANY

**Items**

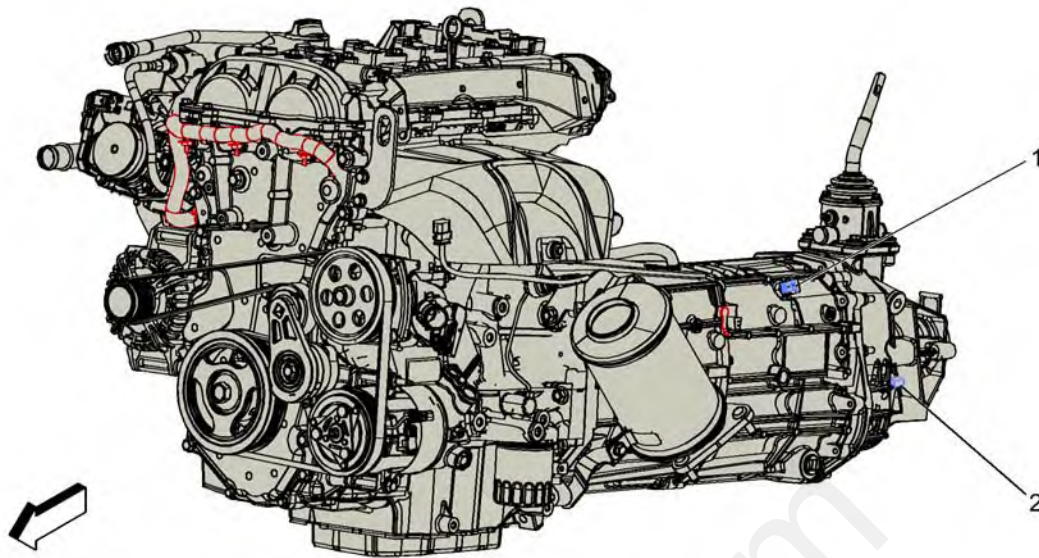
Q8 Control Solenoid Valve Assembly (MYB) [Q8 Control Solenoid Valve Assembly](#)

B14A Transmission Output Shaft Speed Sensor [B14A Transmission Output Shaft Speed Sensor \(NQ6/NQ7\)](#)

A16 Transfer Case Motor (NQ6/NQ7) [A16 Transfer Case Motor \(NQ6/NQ7\)](#)

B227 Gear Position Sensor (NQ6) [B227 Gear Position Sensor \(NQ6\)](#)

**MANUAL TRANSMISSION COMPONENTS (N8D)**



**Fig. 16: Manual Transmission Components (N8D)**

Courtesy of GENERAL MOTORS COMPANY

**Items**

B16 Backup Lamp Switch (N8D) **B16 Backup Lamp Switch (N8D)**

B14A Transmission Output Shaft Speed Sensor **B14A Transmission Output Shaft Speed Sensor (N8D)**