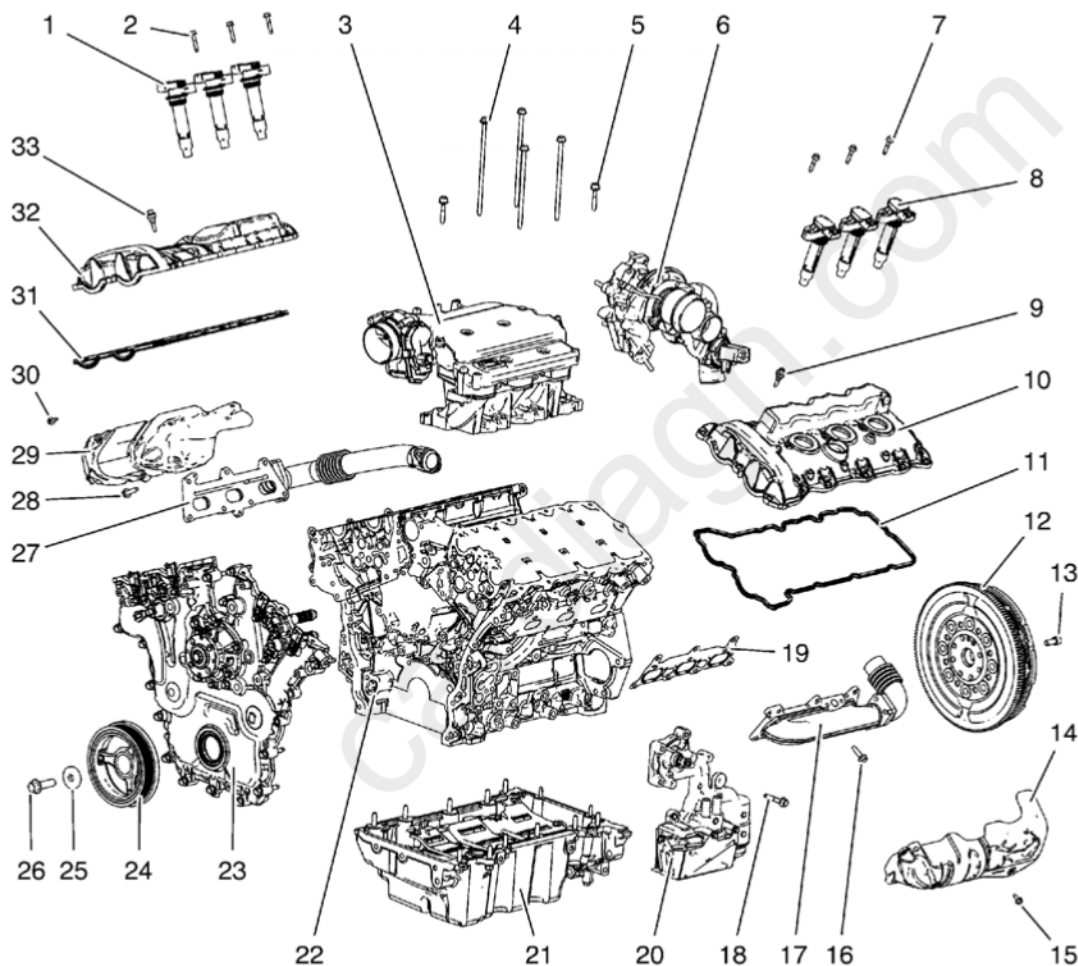


## 2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

## Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

# DISASSEM LED VIE S



**Fig. 1: Disassembled View Of Engine Covers & Component Assemblies (1 Of 2) (LA )**  
**Courtesy of GENERAL MOTORS CORP.**

| Callout | Component Name               |
|---------|------------------------------|
| 1       | Ignition Coil                |
| 2       | Ignition Coil Bolt           |
| 3       | Intake Manifold Assembly     |
| 4       | Intake Manifold Bolt - Long  |
| 5       | Intake Manifold Bolt - Short |
|         |                              |

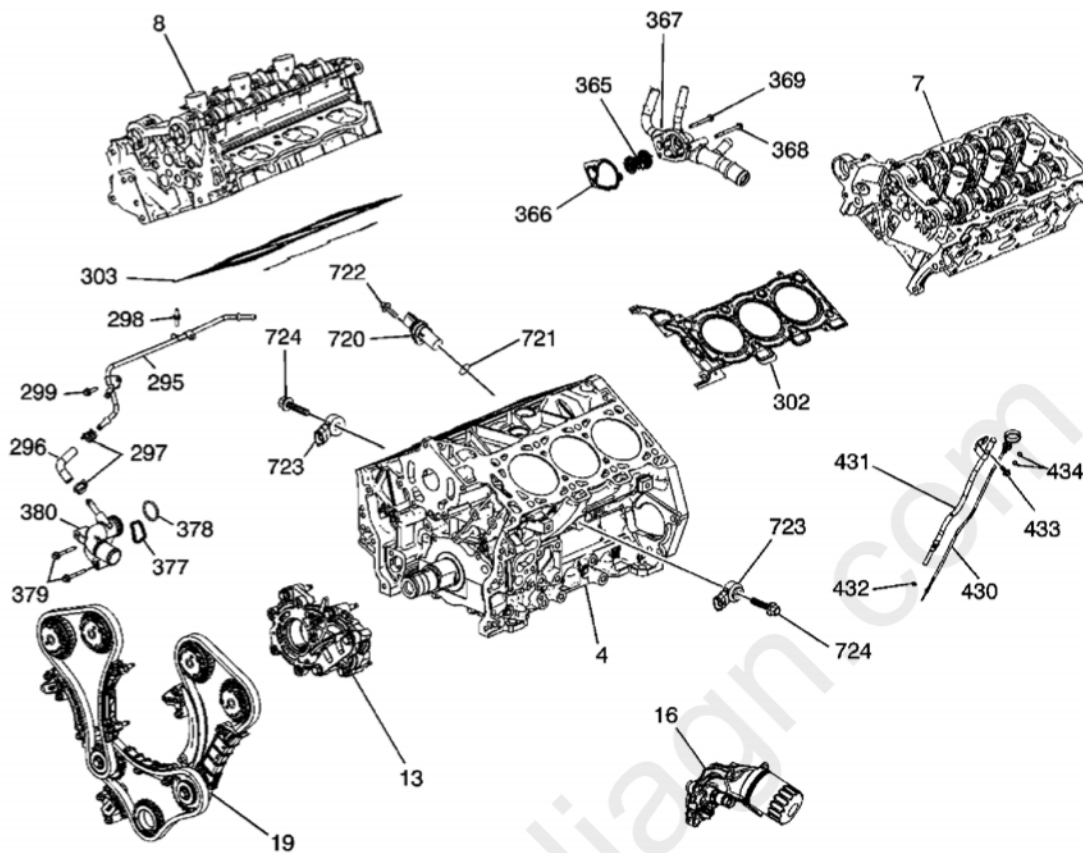
**2010 Cadillac SRX**

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|    |                                        |
|----|----------------------------------------|
| 6  | Turbocharger Assembly                  |
| 7  | Ignition Coil Bolt                     |
| 8  | Ignition Coil                          |
| 9  | Left Camshaft Cover Bolt               |
| 10 | Left Camshaft Cover Assembly           |
| 11 | Left Camshaft Cover Gasket             |
| 12 | Engine Flywheel                        |
| 13 | Engine Flywheel Bolt                   |
| 14 | Left Exhaust anifold Heat Shield       |
| 15 | Left Exhaust anifold Heat Shield Bolt  |
| 16 | Left Exhaust anifold Bolt              |
| 17 | Left Exhaust anifold                   |
| 18 | Oil Filter Adapter Assembly Bolt       |
| 19 | Left Exhaust anifold Gasket            |
| 20 | Oil Filter Adapter Assembly            |
| 21 | Oil Pan Assembly                       |
| 22 | Engine Assembly                        |
| 23 | Engine Front Cover Assembly            |
| 24 | Crankshaft Balancer                    |
| 25 | Crankshaft Balancer Bolt Washer        |
| 26 | Crankshaft Balancer Bolt               |
| 27 | Right Exhaust anifold Assembly         |
| 28 | Right Exhaust anifold Bolt             |
| 29 | Right Exhaust anifold Heat Shield      |
| 30 | Right Exhaust anifold Heat Shield Bolt |
| 31 | Right Camshaft Cover Gasket            |
| 32 | Right Camshaft Cover Assembly          |
| 33 | Right Camshaft Cover Assembly          |

## 2010 Cadillac SRX

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**Fig. 2: Disassembled View Of Engine Covers & Component Assemblies (2 Of 2) (LA )**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                      |
|---------|-------------------------------------|
| 4       | Engine Short Block Assembly         |
| 7       | Left Cylinder Head Assembly         |
| 8       | Right Cylinder Head Assembly        |
| 13      | Oil Pump Assembly                   |
| 16      | Oil Filter Adapter Assembly         |
| 19      | Timing Drive Assembly               |
| 295     | Engine Coolant Air Bleed Pipe       |
| 296     | Engine Coolant Air Bleed Hose       |
| 297     | Engine Coolant Air Bleed Hose Clamp |
| 298     | Engine Coolant Air Bleed Pipe Stud  |
| 299     | Engine Coolant Air Bleed Pipe Bolt  |
| 302     | Left Cylinder Head Gasket           |
| 303     | Right Cylinder Head Gasket          |
| 365     | Engine Cooling Thermostat           |
| 366     | Engine Cooling Thermostat Gasket    |

**2010 Cadillac SRX**

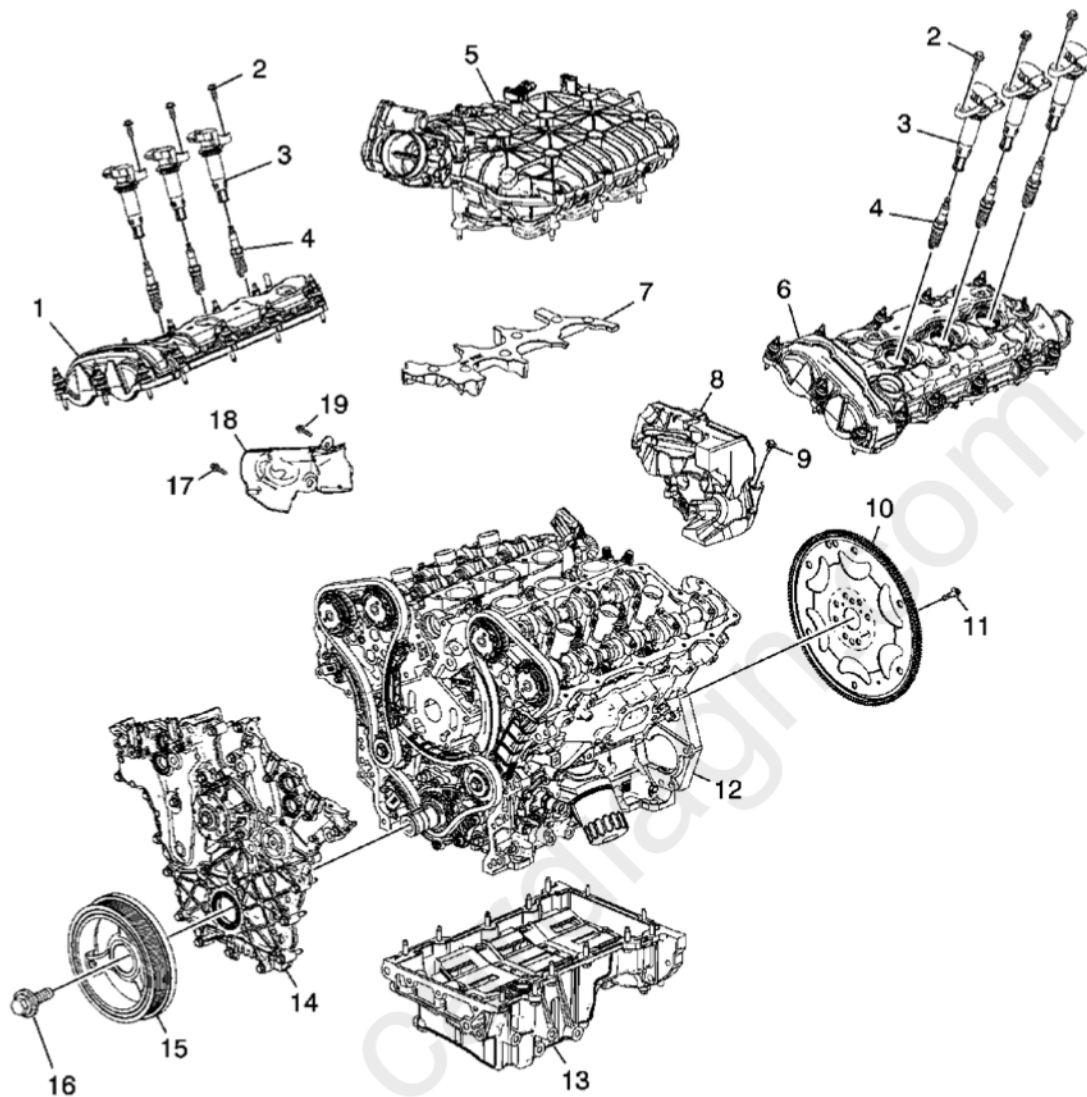
2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|     |                                        |
|-----|----------------------------------------|
| 367 | Engine Cooling Thermostat Housing      |
| 368 | Engine Cooling Thermostat Housing Bolt |
| 369 | Engine Cooling Thermostat Bolt - Short |
| 377 | Water Outlet Seal                      |
| 378 | Water Outlet O-ring                    |
| 379 | Water Outlet Bolt                      |
| 380 | Water Outlet                           |
| 430 | Oil Level Indicator                    |
| 431 | Oil Level Indicator Tube               |
| 432 | Oil Level Indicator Tube O-ring        |
| 433 | Oil Level Indicator Tube Bolt          |
| 434 | Oil Level Indicator Handle O-ring      |
| 720 | Crankshaft Position Sensor             |
| 721 | Crankshaft Position Sensor O-ring      |
| 722 | Crankshaft Position Sensor Bolt        |
| 723 | Knock Sensor                           |
| 723 | Knock Sensor                           |
| 724 | Knock Sensor Bolt                      |
| 724 | Knock Sensor Bolt                      |



## 2010 Cadillac SRX

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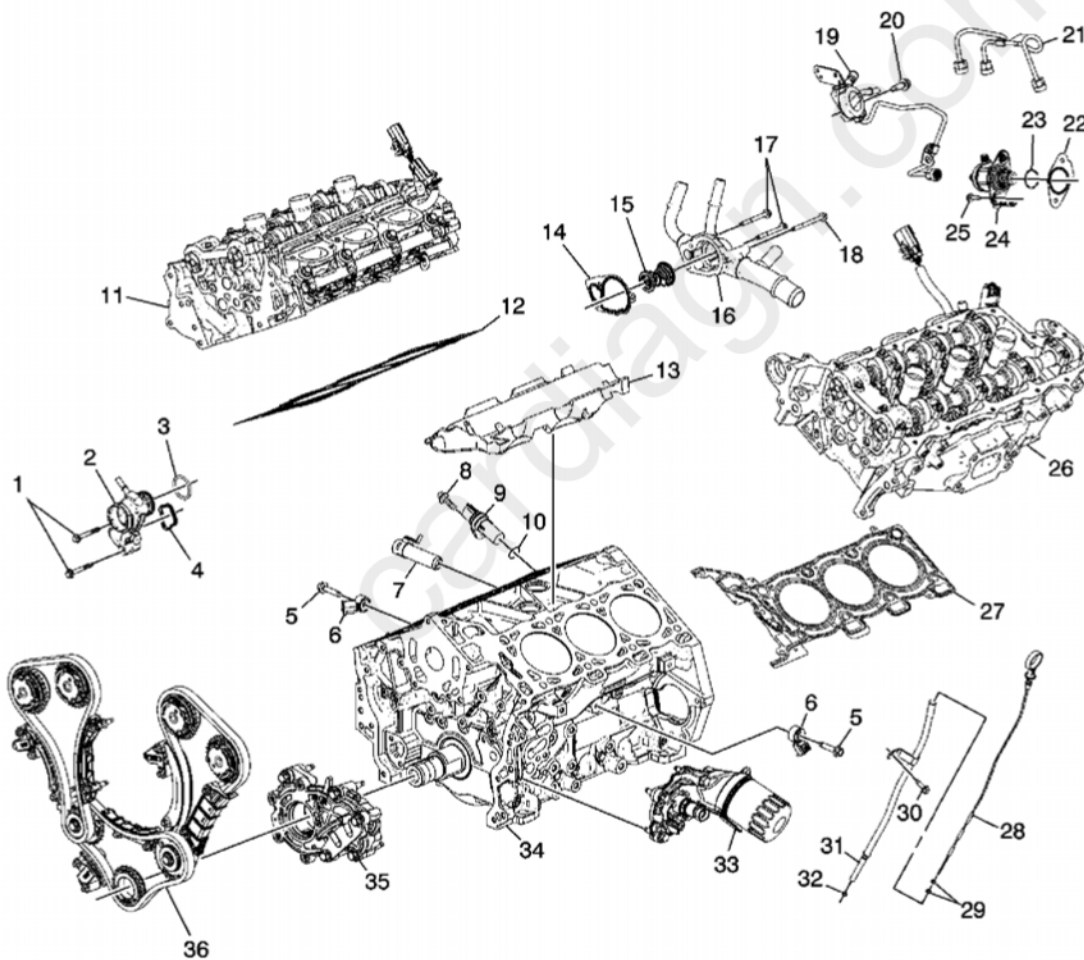
**Fig. : Disassembled View Of Engine Covers & Component Assemblies (1 Of 2) (LF1)**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                |
|---------|-------------------------------|
| 1       | Right Camshaft Cover Assembly |
| 2       | Ignition Coil Bolt            |
| 3       | Ignition Coil                 |
| 4       | Spark Plug                    |
| 5       | Intake manifold Assembly      |
| 6       | Left Camshaft Cover Assembly  |
| 7       | Fuel Rail Noise Shield        |
| 8       | Fuel Pump Cover               |
| 9       | Fuel Pump Cover Bolt          |
|         |                               |

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|-----------------------------------------------------------------|
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| 2010 Cadillac SRX                                               |
|-----------------------------------------------------------------|
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|    |                                                     |
|----|-----------------------------------------------------|
| 10 | Engine Flywheel                                     |
| 11 | Engine Flywheel Bolt                                |
| 12 | Engine Assembly                                     |
| 13 | Oil Pan Assembly                                    |
| 14 | Engine Front Cover Assembly                         |
| 15 | Crankshaft Balancer                                 |
| 16 | Crankshaft Balancer Bolt                            |
| 17 | Crankshaft Position Sensor Heat Shield Bolt - Large |
| 18 | Crankshaft Position Sensor Heat Shield              |
| 19 | Crankshaft Position Sensor Heat Shield Bolt - Small |



**Fig. 4: Disassembled View Of Engine Covers & Component Assemblies (2 Of 2) (LF1)**  
**Courtesy of GENERAL MOTORS CORP.**

| Callout | Component Name    |
|---------|-------------------|
| 1       | Water Outlet Bolt |
|         |                   |

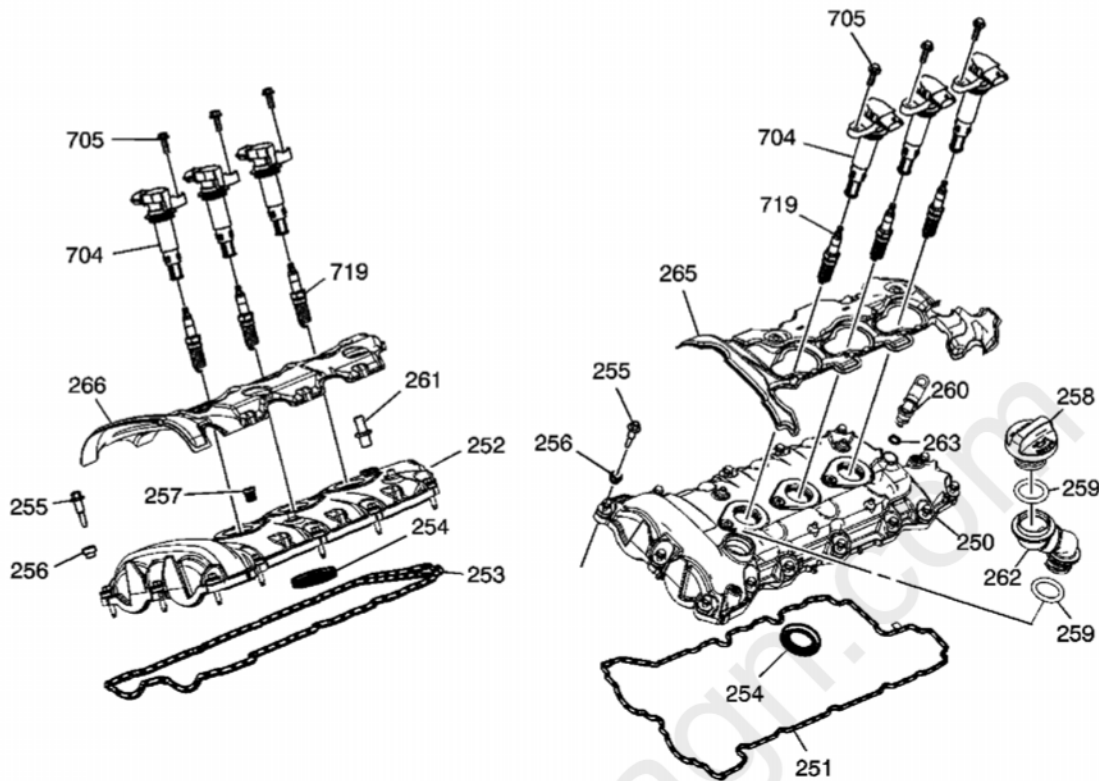
**2010 Cadillac SRX**

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|    |                                               |
|----|-----------------------------------------------|
| 2  | Water Outlet                                  |
| 3  | Water Outlet O-ring                           |
| 4  | Water Outlet Seal                             |
| 5  | Knock Sensor Bolt                             |
| 6  | Knock Sensor                                  |
| 7  | Engine Coolant Heater Assembly                |
| 8  | Crankshaft Position Sensor Bolt               |
| 9  | Crankshaft Position Sensor                    |
| 10 | Crankshaft Position Sensor O-ring             |
| 11 | Right Cylinder Head Assembly                  |
| 12 | Right Cylinder Head Gasket                    |
| 13 | Lower Fuel Rail Noise Shield                  |
| 14 | Engine Cooling Thermostat Gasket              |
| 15 | Engine Cooling Thermostat                     |
| 16 | Engine Cooling Thermostat Housing             |
| 17 | Engine Cooling Thermostat Bolt - Short        |
| 18 | Engine Cooling Thermostat Housing Bolt - Long |
| 19 | Fuel Feed Pipe Assembly                       |
| 20 | Fuel Feed Pipe Assembly Bolt                  |
| 21 | Fuel Feed Intermediate Pipe Assembly          |
| 22 | Fuel Pump Gasket                              |
| 23 | Fuel Pump O-ring Seal                         |
| 24 | Fuel Pump                                     |
| 25 | Fuel Pump Bolt                                |
| 26 | Left Cylinder Head Assembly                   |
| 27 | Left Cylinder Head Gasket                     |
| 28 | Oil Level Indicator                           |
| 29 | Oil Level Indicator Handle O-ring             |
| 30 | Oil Level Indicator Tube Bolt                 |
| 31 | Oil Level Indicator Tube                      |
| 32 | Oil Level Indicator Tube O-ring               |
| 33 | Oil Filter Adapter Assembly                   |
| 34 | Engine Short Block Assembly                   |
| 35 | Oil Pump Assembly                             |
| 36 | Timing Drive Assembly                         |

## 2010 Cadillac SRX

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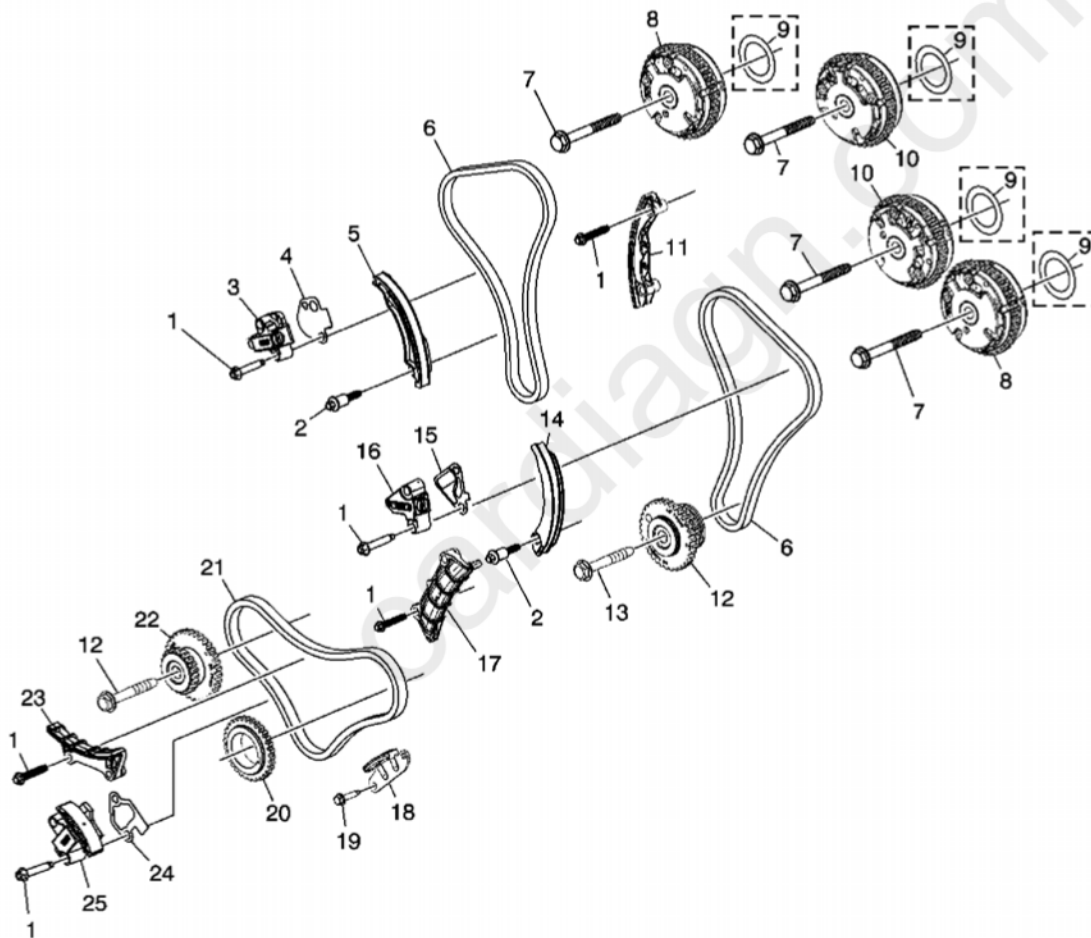
**Fig. 5: View Of Camshaft Cover Assembly**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                           |
|---------|------------------------------------------|
| 250     | Left Camshaft Cover                      |
| 251     | Left Camshaft Cover Gasket               |
| 252     | Right Camshaft Cover                     |
| 253     | Right Camshaft Cover Gasket              |
| 254     | Camshaft Cover Spark Plug Port Seal      |
| 254     | Camshaft Cover Spark Plug Port Seal      |
| 255     | Camshaft Cover Bolt                      |
| 255     | Camshaft Cover Bolt                      |
| 256     | Camshaft Cover Bolt Insulator            |
| 256     | Camshaft Cover Bolt Insulator            |
| 257     | Ignition Coil Bolt Thread Insert         |
| 258     | Oil Fill Cap                             |
| 259     | Oil Fill O-ring                          |
| 259     | Oil Fill O-ring                          |
| 260     | Left Camshaft Cover PCV Fitting          |
| 261     | Right Camshaft Cover PCV Fitting Orifice |
| 262     | Oil Fill Tube                            |

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|     |                                        |
|-----|----------------------------------------|
| 263 | Left Camshaft Cover PCV Fitting O-ring |
| 265 | Left Camshaft Housing Cover Insulator  |
| 266 | Right Camshaft Housing Cover Insulator |
| 704 | Ignition Coil                          |
| 704 | Ignition Coil                          |
| 705 | Ignition Coil Bolt                     |
| 705 | Ignition Coil Bolt                     |
| 719 | Spark Plug                             |
| 719 | Spark Plug                             |



**Fig. 6: Identifying Camshaft Timing Components**  
 Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                         |
|---------|----------------------------------------|
| 1       | Primary Timing Chain Tensioner Bolt    |
| 2       | Left Secondary Timing Chain Shoe Bolt  |
| 3       | Right Secondary Timing Chain Tensioner |

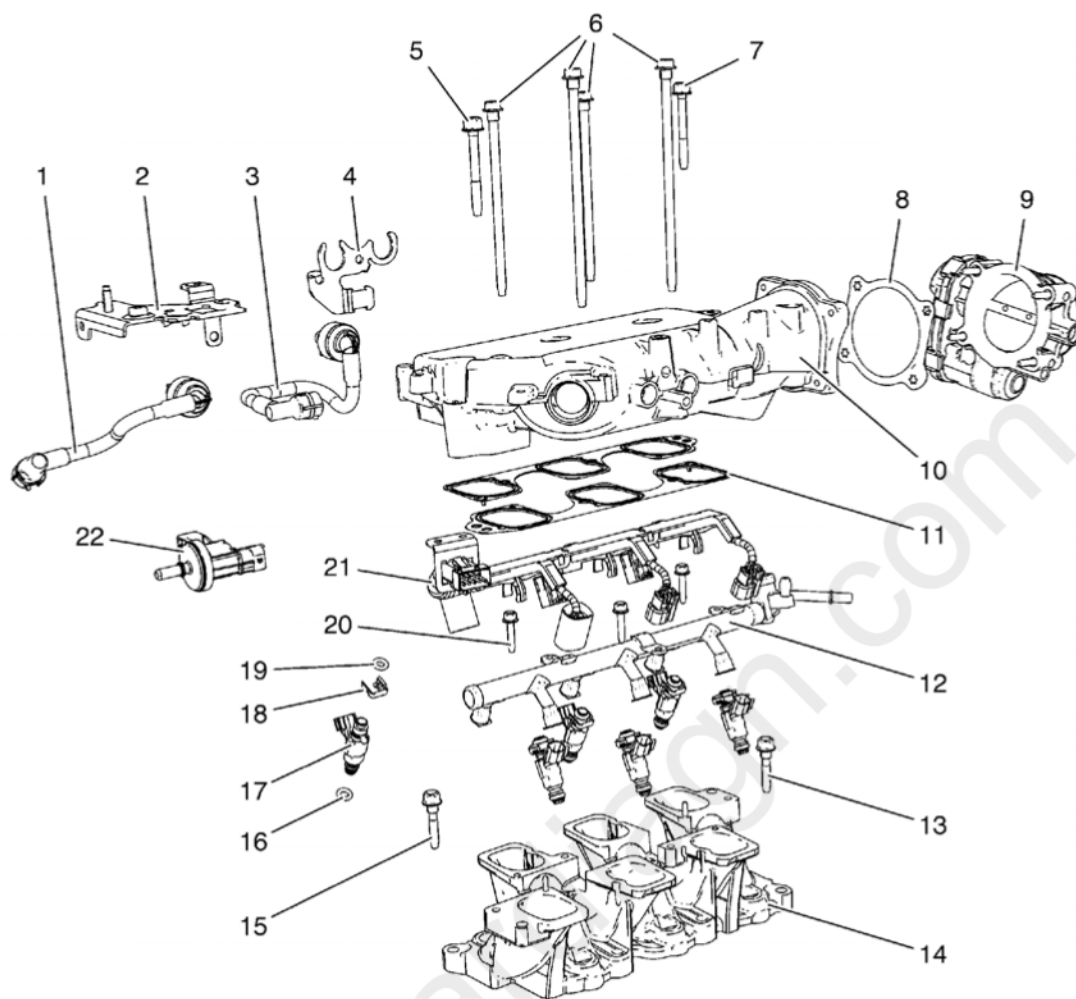
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|    |                                                  |
|----|--------------------------------------------------|
| 4  | Right Secondary Timing Chain Tensioner Gasket    |
| 5  | Right Secondary Timing Chain Shoe                |
| 6  | Secondary Timing Chain                           |
| 7  | Camshaft Position Actuator Bolt                  |
| 8  | Exhaust Camshaft Position Actuator               |
| 9  | Camshaft Position Actuator Thrust Washer         |
| 10 | Intake Camshaft Position Actuator                |
| 11 | Right Secondary Timing Chain Guide               |
| 12 | Left Camshaft Intermediate Drive Shaft Sprocket  |
| 13 | Camshaft Intermediate Drive Shaft Sprocket Bolt  |
| 14 | Left Secondary Timing Chain Shoe                 |
| 15 | Left Secondary Timing Chain Tensioner Gasket     |
| 16 | Left Secondary Timing Chain Tensioner            |
| 17 | Left Secondary Timing Chain Guide                |
| 18 | Lower Primary Timing Chain Guide                 |
| 19 | Lower Primary Timing Chain Guide Bolt            |
| 20 | Crankshaft Sprocket                              |
| 21 | Primary Timing Chain                             |
| 22 | Right Camshaft Intermediate Drive Shaft Sprocket |
| 23 | Upper Primary Timing Chain Guide                 |
| 24 | Primary Timing Chain Tensioner Gasket            |
| 25 | Primary Timing Chain Tensioner                   |

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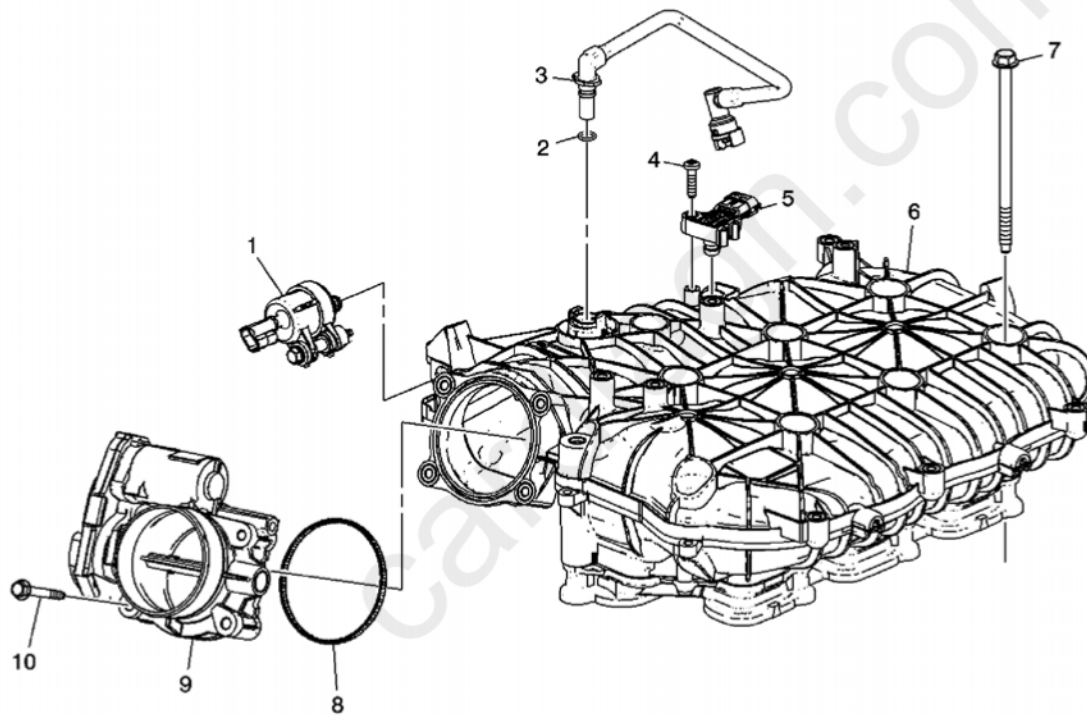
**Fig. : Disassembled View Of ntake Manifold (LAU)**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                                              |
|---------|-------------------------------------------------------------|
| 1       | E AP Purge Solenoid Tube - Intake manifold to E AP Solenoid |
| 2       | E AP Purge Solenoid Bracket                                 |
| 3       | Dirty PC Hose                                               |
| 4       | Dirty PC Hose Bracket                                       |
| 5       | Upper Intake manifold Bolt - Short                          |
| 6       | Upper Intake manifold Bolt - Long                           |
| 7       | Upper Intake manifold Bolt - Short                          |
| 8       | Throttle Body Gasket                                        |
| 9       | Throttle Body                                               |
| 10      | Upper Intake manifold                                       |
| 11      | Upper Intake manifold Gasket                                |
| 12      | Fuel Rail                                                   |
|         |                                                             |

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|    |              |                     |
|----|--------------|---------------------|
| 13 | Lower Intake | anifold Bolt        |
| 14 | Lower Intake | anifold             |
| 15 | Lower Intake | anifold Bolt        |
| 16 | Fuel In      | ector Lower Seal    |
| 17 | Fuel In      | ector               |
| 18 | Fuel In      | ector Retainer      |
| 19 | Fuel In      | ector Upper Seal    |
| 20 | Fuel Rail    | Bolt                |
| 21 | Fuel In      | ector iring Harness |
| 22 | E            | AP Purge Solenoid   |



**Fig. : View Of ntake Manifold (LF1)**  
**Courtesy of GENERAL MOTORS CORP.**

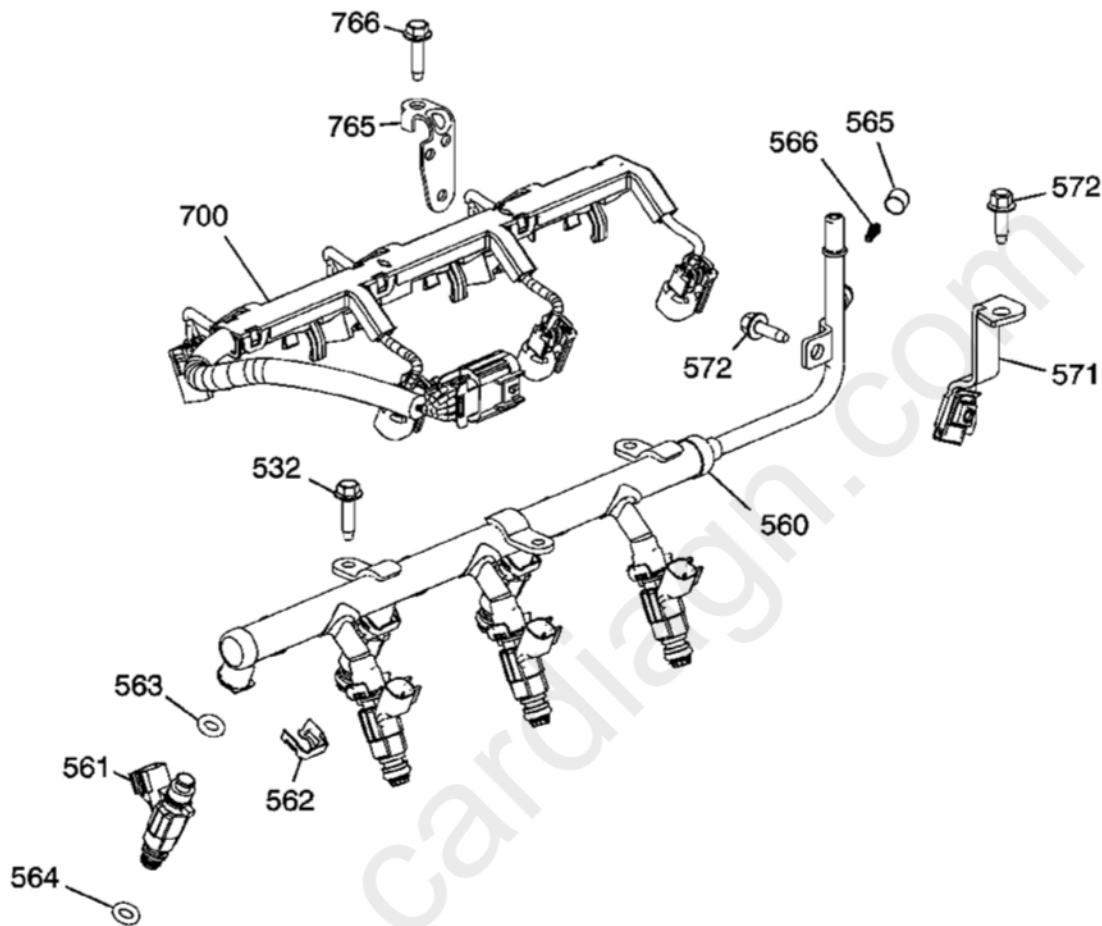
| Callout | Component Name            |
|---------|---------------------------|
| 1       | E AP Solenoid             |
| 2       | PC Tube O-ring Seal       |
| 3       | PC Tube                   |
| 4       | AP Sensor Bolt            |
| 5       | AP Sensor                 |
| 6       | Upper Intake anifold      |
| 7       | Upper Intake anifold Bolt |
|         |                           |



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|-----------------------------------------------------------------|
| 2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX |

| 2010 Cadillac SRX                                               |
|-----------------------------------------------------------------|
| 2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX |

|    |                      |
|----|----------------------|
| 8  | Throttle Body Gasket |
| 9  | Throttle Body        |
| 10 | Throttle Body Bolt   |



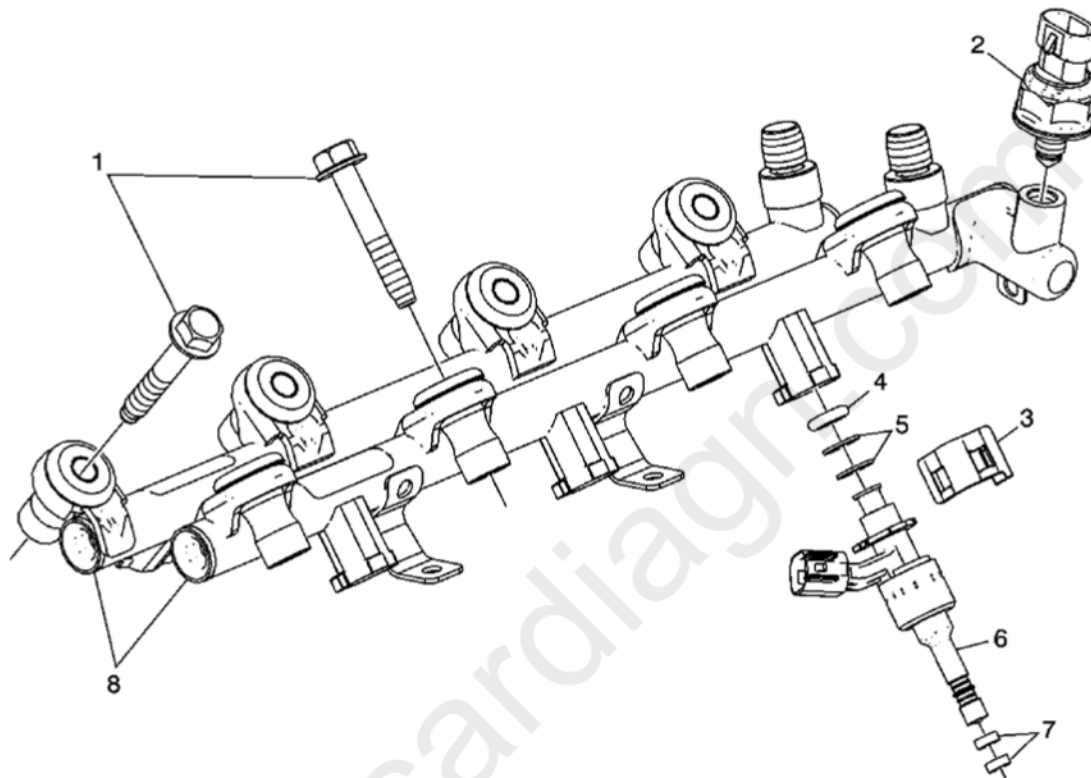
**Fig. : Disassembled View Of Fuel Rail (LAU)**  
**Courtesy of GENERAL MOTORS CORP.**

| Callout | Component Name                 |
|---------|--------------------------------|
| 532     | Fuel Rail Bolt                 |
| 560     | Fuel Rail                      |
| 561     | Fuel In ector                  |
| 562     | Fuel In ector Retainer         |
| 563     | Fuel In ector Upper Seal       |
| 564     | Fuel In ector Lower Seal       |
| 565     | Fuel Pressure Service alve Cap |
| 566     | Fuel Pressure Service alve     |
| 571     | Fuel Rail Bracket              |
|         |                                |

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|     |                                           |
|-----|-------------------------------------------|
| 572 | Fuel Rail Bracket Bolt                    |
| 572 | Fuel Rail Bracket Bolt                    |
| 700 | Fuel Injector Wiring Harness              |
| 765 | Fuel Injector Wiring Harness Bracket      |
| 766 | Fuel Injector Wiring Harness Bracket Bolt |



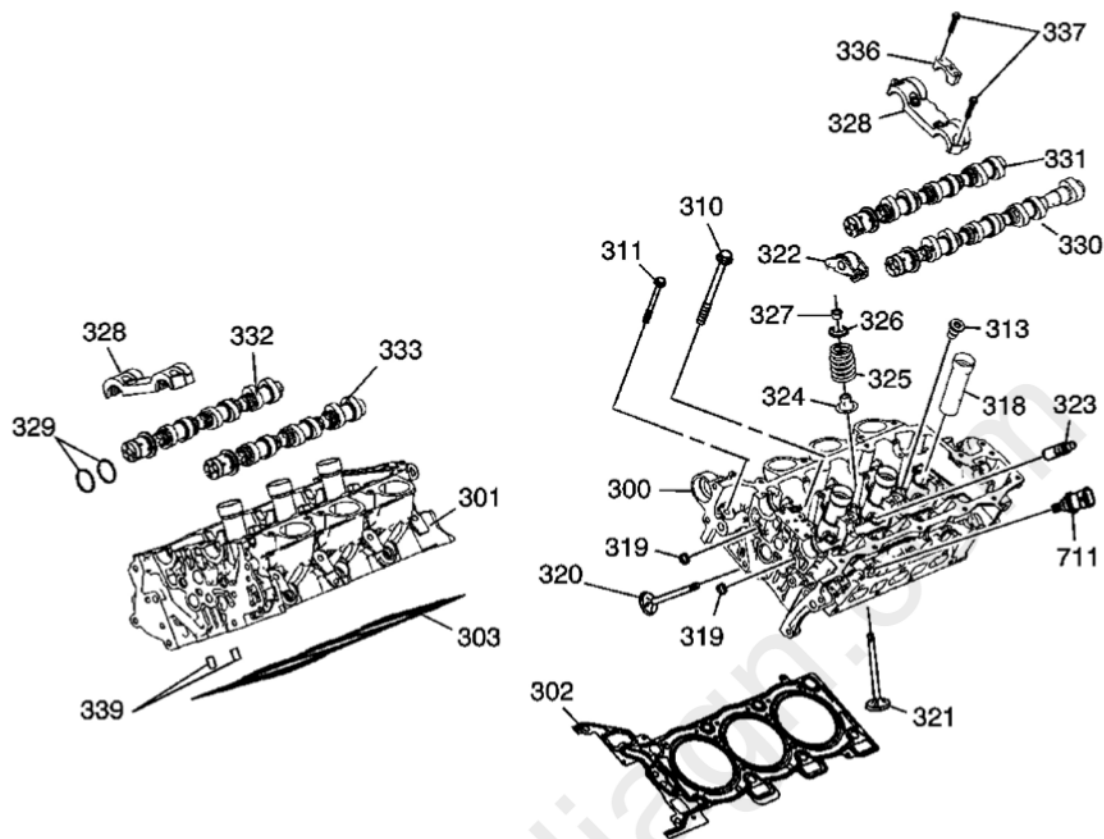
**Fig. 1 : identifying Fuel Rail Components**

Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name            |
|---------|---------------------------|
| 1       | Fuel Rail Bolt            |
| 2       | Fuel Pressure Sensor      |
| 3       | Fuel Injector Retainer    |
| 4       | Fuel Injector O-ring Seal |
| 5       | Fuel Injector Spacer      |
| 6       | Fuel Injector             |
| 7       | Fuel Injector Teflon Seal |
| 8       | Fuel Rail                 |

## 2010 Cadillac SRX

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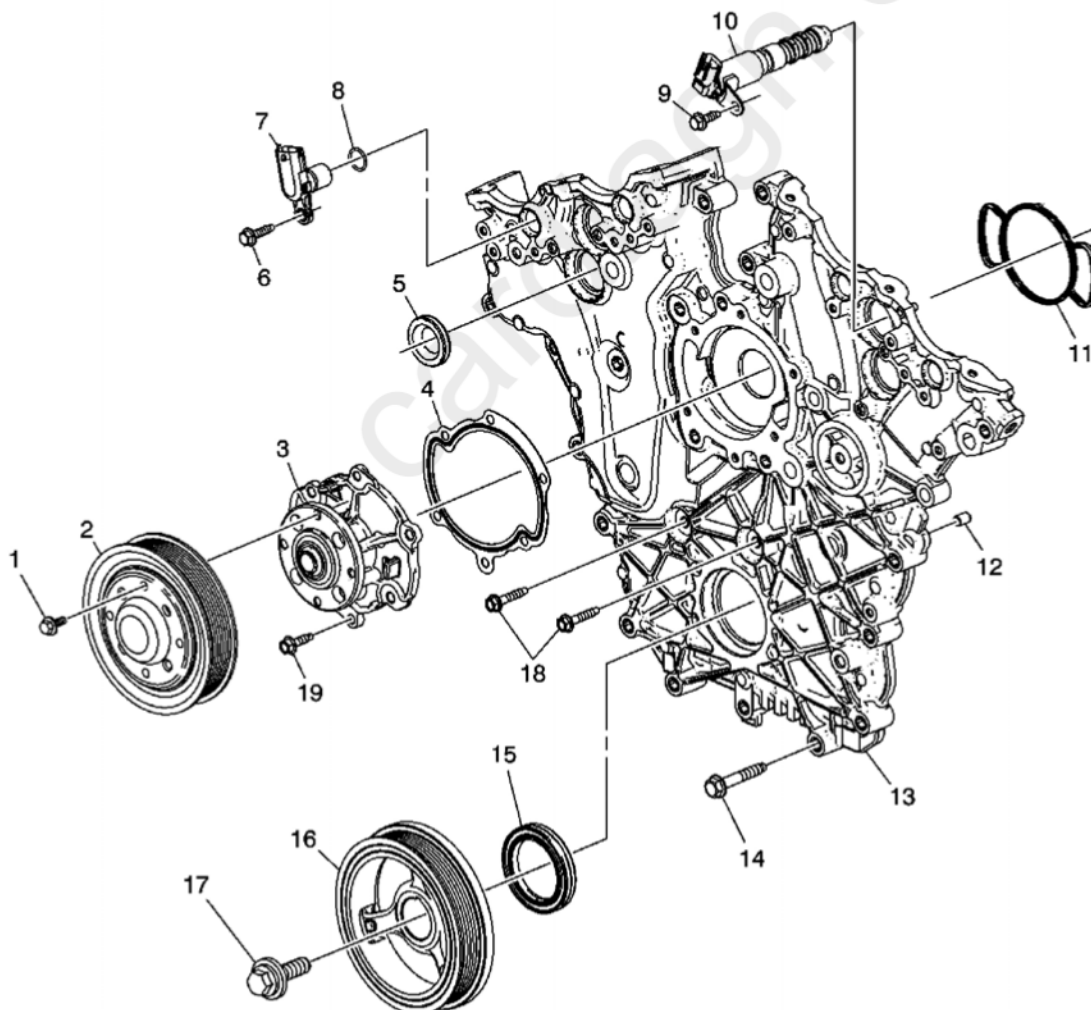
**Fig. 11: Exploded View Of Cylinder Head Assemblies**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                                   |
|---------|--------------------------------------------------|
| 300     | Left Cylinder Head                               |
| 301     | Right Cylinder Head                              |
| 302     | Left Cylinder Head Gasket                        |
| 303     | Right Cylinder Head Gasket                       |
| 310     | Cylinder Head Bolt                               |
| 311     | Cylinder Head Front Bolt                         |
| 313     | Cylinder Head Coolant Hole Threaded Plug         |
| 318     | Spark Plug Sleeve                                |
| 319     | Cylinder Head Oil Gallery Expansion Plug - 14 mm |
| 319     | Cylinder Head Oil Gallery Expansion Plug - 14 mm |
| 320     | Exhaust Valve                                    |
| 321     | Intake Valve                                     |
| 322     | Valve Rocker Arm Assembly                        |
| 323     | Hydraulic Valve Lash Adjuster Assembly           |
| 324     | Valve Stem Oil Seal                              |

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|     |                                                 |
|-----|-------------------------------------------------|
| 325 | Valve Spring                                    |
| 326 | Valve Spring Cap                                |
| 327 | Valve Stem Key                                  |
| 328 | Cylinder Head Camshaft Front Thrust Bearing Cap |
| 328 | Cylinder Head Camshaft Front Thrust Bearing Cap |
| 329 | Camshaft Oil Seal Ring                          |
| 330 | Left Exhaust Camshaft                           |
| 331 | Left Intake Camshaft                            |
| 332 | Right Intake Camshaft                           |
| 333 | Right Exhaust Camshaft                          |
| 336 | Cylinder Head Camshaft Cap - Intermediate       |
| 337 | Cylinder Head Camshaft Cap Bolt                 |
| 339 | Cylinder Head Oil Gallery Check Valve           |
| 711 | Engine Coolant Temperature Sensor               |



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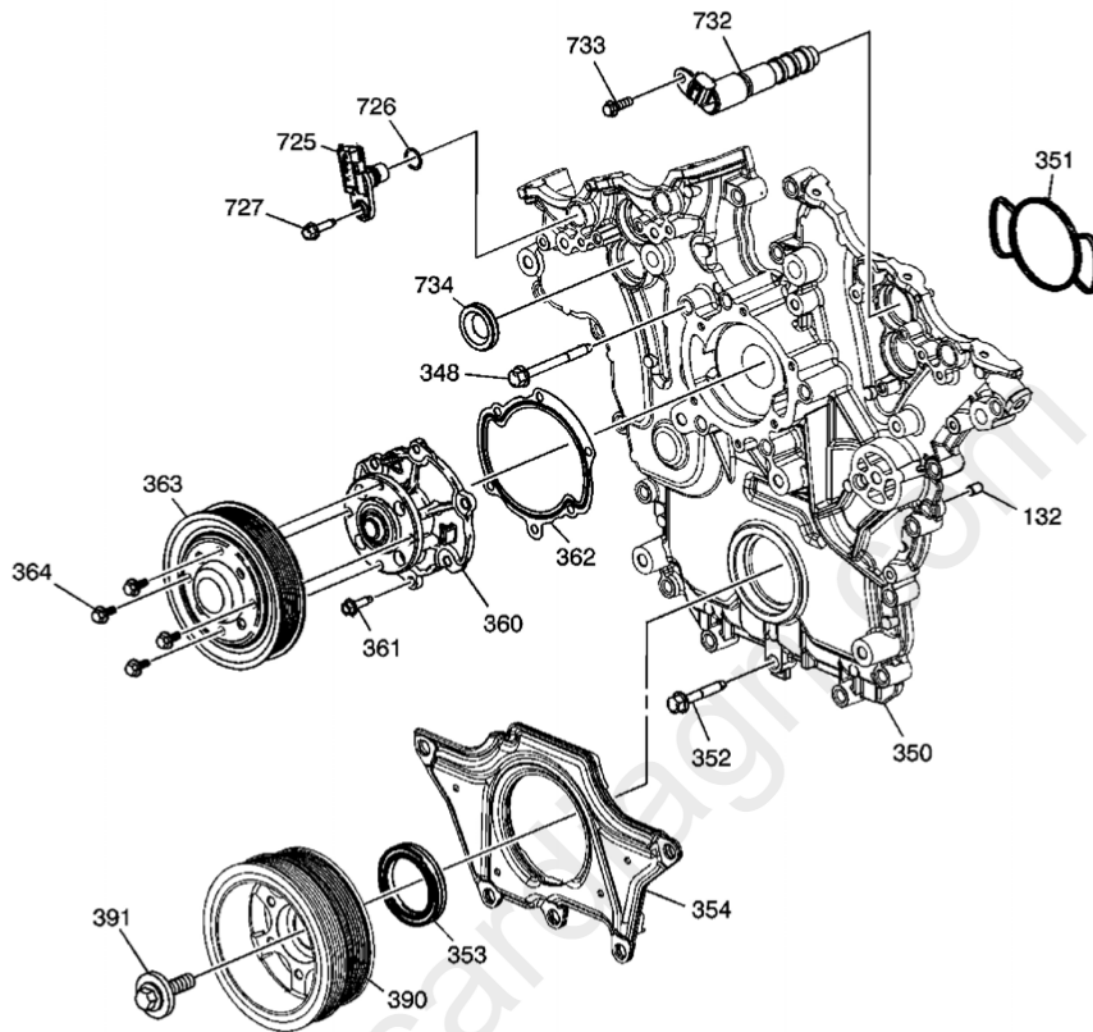
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**Fig. 12: Disassembled View Of Engine Front Cover (LF1)**  
**Courtesy of GENERAL MOTORS CORP.**

| Callout | Component Name                                 |
|---------|------------------------------------------------|
| 1       | Water Pump Pulley Bolt                         |
| 2       | Water Pump Pulley                              |
| 3       | Water Pump Assembly                            |
| 4       | Water Pump Pulley Gasket                       |
| 5       | Camshaft Position Actuator Solenoid Valve Seal |
| 6       | Camshaft Position Sensor Bolt                  |
| 7       | Camshaft Position Sensor                       |
| 8       | Camshaft Position Sensor O-ring Seal           |
| 9       | Camshaft Position Actuator Solenoid Valve Bolt |
| 10      | Camshaft Position Actuator Solenoid Valve      |
| 11      | Engine Front Cover Gasket                      |
| 12      | Engine Front Cover Locating Pin                |
| 13      | Engine Front Cover                             |
| 14      | Engine Front Cover Bolt                        |
| 15      | Engine Front Cover Seal                        |
| 16      | Crankshaft Balancer                            |
| 17      | Crankshaft Balancer Bolt                       |
| 18      | Engine Front Cover Bolt                        |
| 19      | Water Pump Bolt                                |

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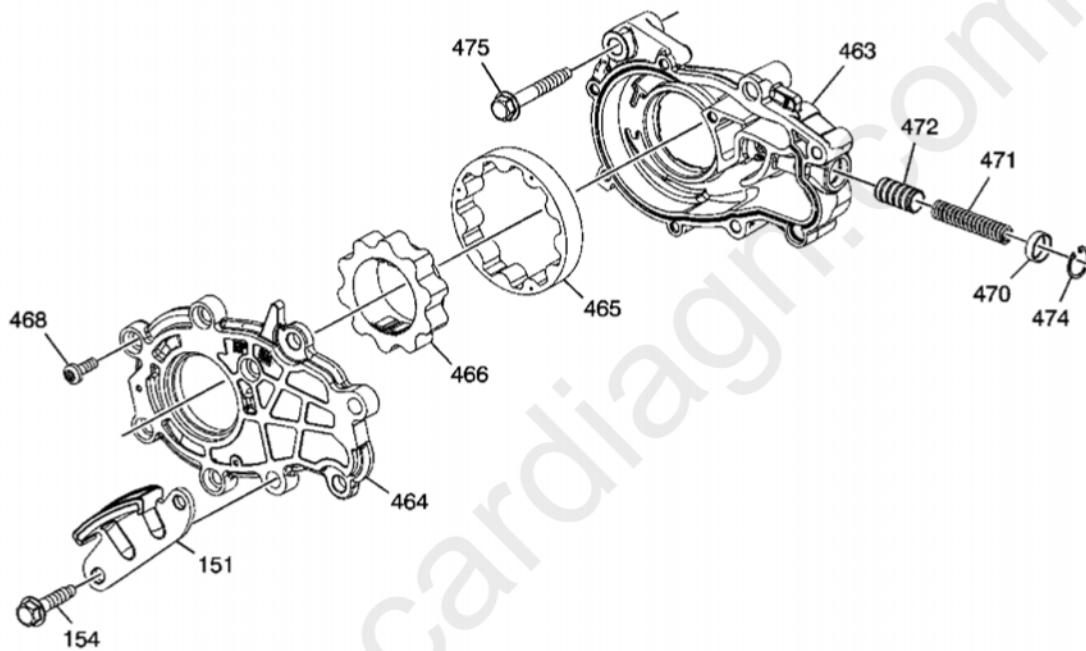
**Fig. 13: Disassembled View Of Engine Front Cover (LAU)**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                  |
|---------|---------------------------------|
| 132     | Engine Front Cover Locating Pin |
| 348     | Engine Front Cover Bolt - Long  |
| 350     | Engine Front Cover              |
| 351     | Engine Front Cover Gasket       |
| 352     | Engine Front Cover Bolt         |
| 353     | Engine Front Cover Seal         |
| 354     | Engine Front Cover Deadener     |
| 360     | Water Pump Assembly             |
| 361     | Water Pump Bolt                 |
| 362     | Water Pump Gasket               |
| 363     | Water Pump Pulley               |

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|-----------------------------------------------------------------|
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|     |                                                |
|-----|------------------------------------------------|
| 364 | Water Pump Pulley Bolt                         |
| 390 | Crankshaft Balancer                            |
| 391 | Crankshaft Balancer Bolt                       |
| 725 | Camshaft Position Sensor                       |
| 726 | Camshaft Position Sensor O-ring                |
| 727 | Camshaft Position Sensor Bolt                  |
| 732 | Camshaft Position Actuator Solenoid Valve      |
| 733 | Camshaft Position Actuator Solenoid Valve Bolt |
| 734 | Camshaft Position Actuator Solenoid Valve Seal |



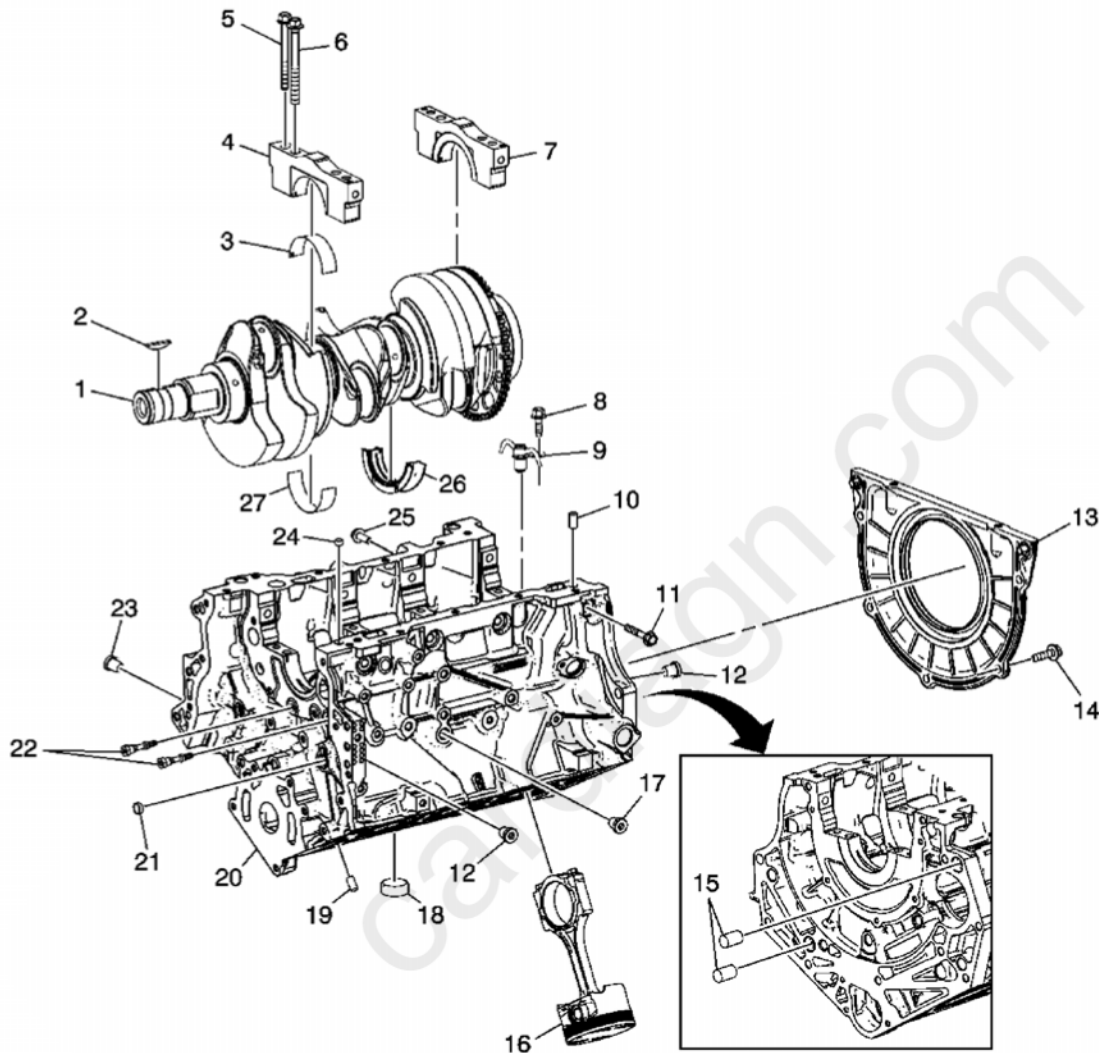
**Fig. 14: Disassembled View Of Oil Pump**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                        |
|---------|---------------------------------------|
| 151     | Lower Primary Timing Chain Guide      |
| 154     | Lower Primary Timing Chain Guide Bolt |
| 463     | Oil Pump Housing                      |
| 464     | Oil Pump Cover                        |
| 465     | Oil Pump Driven Gear                  |
| 466     | Oil Pump Drive Gear                   |
| 468     | Oil Pump Cover Bolt                   |
| 470     | Oil Pressure Relief Valve Bore Plug   |
| 471     | Oil Pressure Relief Valve Spring      |
| 472     | Oil Pressure Relief Valve             |

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|     |                                                   |
|-----|---------------------------------------------------|
| 474 | Oil Pressure Relief Valve Bore Plug Retainer Clip |
| 475 | Oil Pump Bolt                                     |



**Fig. 15: Disassembled View Of Engine Block Assembly (LF1)**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                       |
|---------|--------------------------------------|
| 1       | Crankshaft                           |
| 2       | Crankshaft Key                       |
| 3       | Crankshaft Lower Bearing             |
| 4       | Crankshaft Bearing Cap               |
| 5       | Crankshaft Bearing Cap Outboard Bolt |
| 6       | Crankshaft Bearing Cap Inboard Bolt  |
| 7       | Crankshaft Bearing Thrust Cap        |



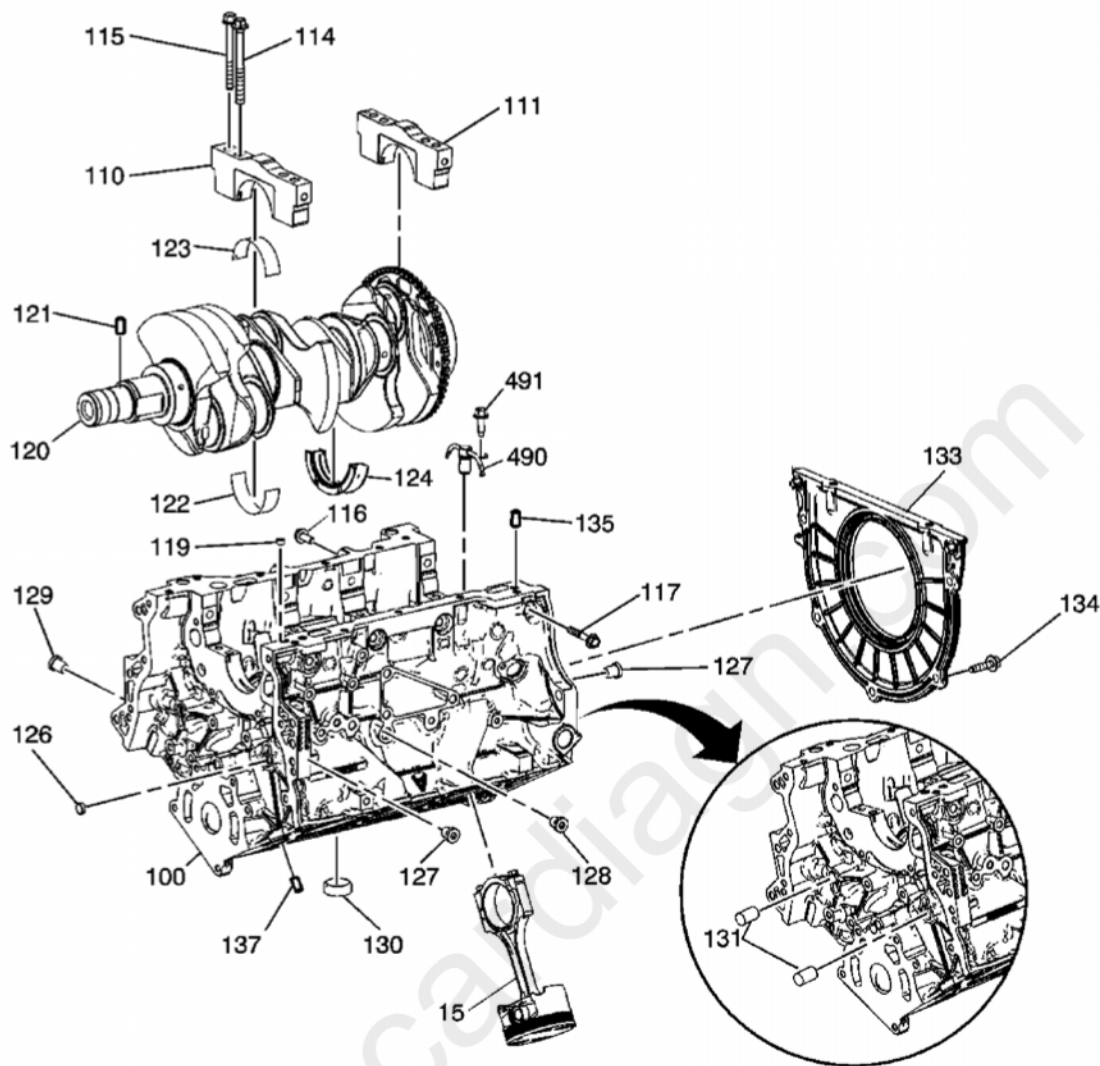
**2010 Cadillac SRX**

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|    |                                                    |
|----|----------------------------------------------------|
| 8  | Piston Oil Nozzle Bolt                             |
| 9  | Piston Oil Nozzle                                  |
| 10 | Oil Pan Locating Pin                               |
| 11 | Crankshaft Bearing Cap Side Bolt - Long            |
| 12 | Engine Block Oil Gallery Threaded Plug - 14 mm     |
| 13 | Crankshaft Rear Oil Seal Housing Assembly          |
| 14 | Crankshaft Rear Oil Seal Housing Assembly Bolt     |
| 15 | Transaxle Locating Pin                             |
| 16 | Piston and Connecting Rod Assembly                 |
| 17 | Engine Block Coolant Drain Threaded Plug - 14 mm   |
| 18 | Engine Block Core Coolant Expansion Plug - 34.3 mm |
| 19 | Cylinder Head Locating Pin                         |
| 20 | Engine Block                                       |
| 21 | Engine Block Oil Gallery Expansion Plug - 14       |
| 22 | Engine Front Cover Stud                            |
| 23 | Engine Block Oil Gallery Threaded Plug - 20 mm     |
| 24 | Engine Block Oil Gallery Expansion Plug - 10 mm    |
| 25 | Crankshaft Bearing Cap Side Bolt - Short           |
| 26 | Crankshaft Upper Thrust Bearing #3                 |
| 27 | Crankshaft Upper Bearing                           |

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2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX



**Fig. 1 : Disassembled View Of Engine loc Assembly (LAU)**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name                                  |
|---------|-------------------------------------------------|
| 15      | Piston and Connecting Rod Assembly              |
| 100     | Engine Block                                    |
| 110     | Crankshaft Bearing Cap                          |
| 111     | Crankshaft Bearing Thrust Cap                   |
| 114     | Crankshaft Bearing Cap Inboard Bolt             |
| 115     | Crankshaft Bearing Cap Outboard Bolt            |
| 116     | Crankshaft Bearing Cap Side Bolt - Short        |
| 117     | Crankshaft Bearing Cap Side Bolt - Long         |
| 119     | Engine Block Oil Gallery Expansion Plug - 10 mm |
| 120     | Crankshaft                                      |

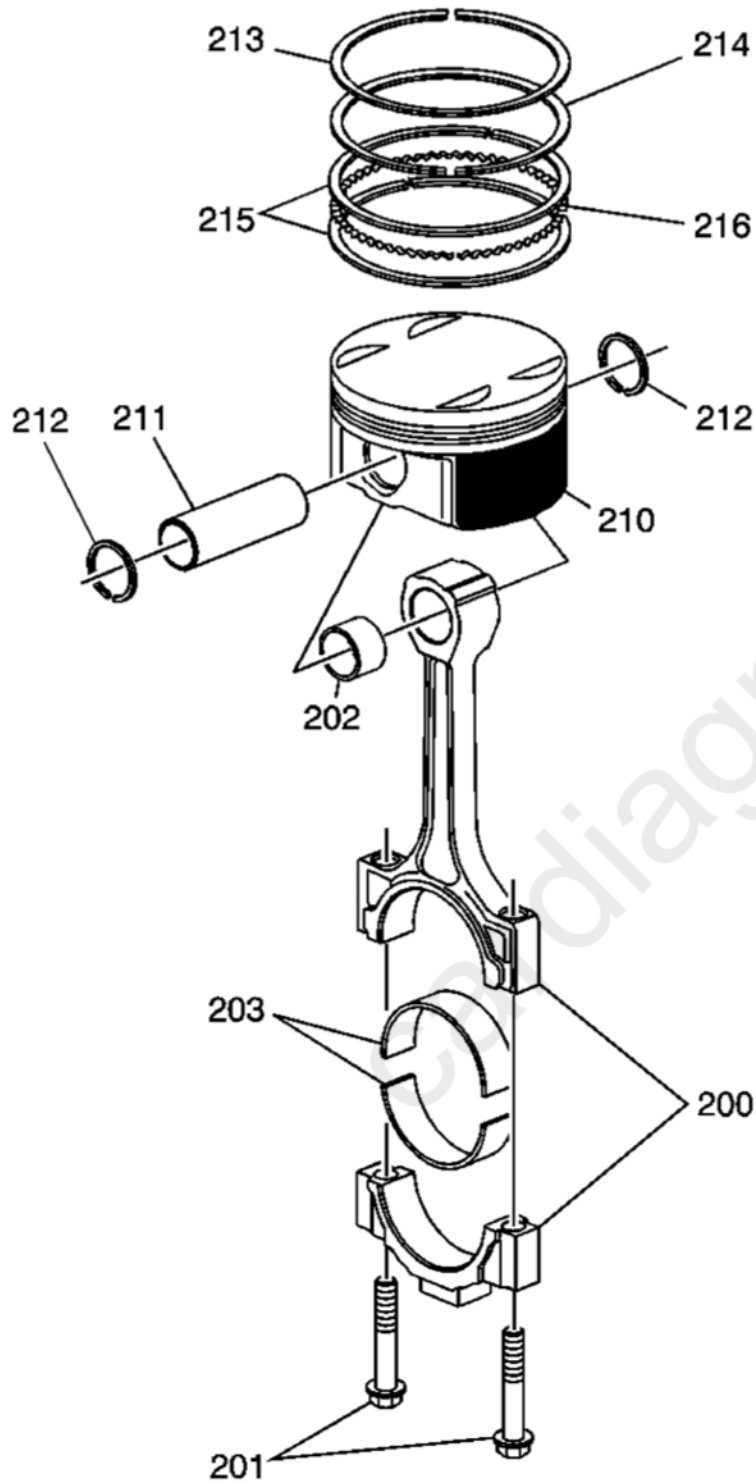
**2010 Cadillac SRX**

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|     |                                                    |
|-----|----------------------------------------------------|
| 121 | Crankshaft Sprocket Locating Pin                   |
| 122 | Crankshaft Upper Bearing                           |
| 123 | Crankshaft Lower Bearing                           |
| 124 | Crankshaft Upper Thrust Bearing #3                 |
| 126 | Engine Block Oil Gallery Expansion Plug - 14 mm    |
| 127 | Engine Block Oil Gallery Threaded Plug - 14 mm     |
| 127 | Engine Block Oil Gallery Threaded Plug - 14 mm     |
| 128 | Engine Block Coolant Drain Threaded Plug - 14 mm   |
| 129 | Engine Block Oil Gallery Threaded Plug - 20 mm     |
| 130 | Engine Block Core Coolant Expansion Plug - 34.3 mm |
| 131 | Transaxle Locating Pin                             |
| 133 | Crankshaft Rear Oil Seal Housing Assembly          |
| 134 | Crankshaft Rear Oil Seal Housing Assembly Bolt     |
| 135 | Oil Pan Locating Pin                               |
| 137 | Cylinder Head Locating Pin                         |
| 490 | Piston Oil Nozzle                                  |
| 491 | Piston Oil Nozzle Bolt                             |

## 2010 Cadillac SRX

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX



**Fig. 1 : Vie Of Piston Rings earing Connecting Rod**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name |
|---------|----------------|
|         |                |

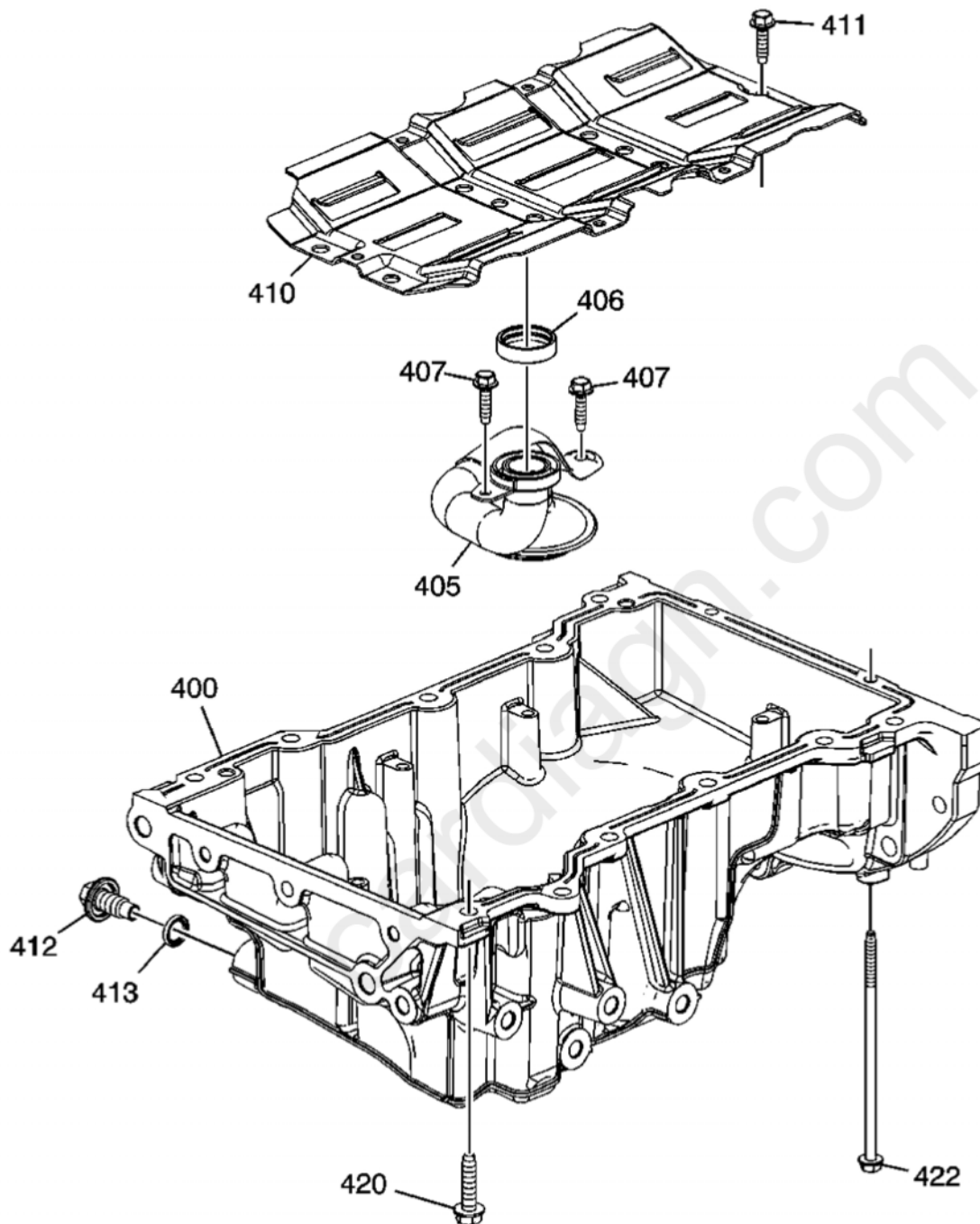
**2010 Cadillac SRX**

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|     |                                |
|-----|--------------------------------|
| 200 | Connecting Rod                 |
| 201 | Connecting Rod Bolt            |
| 202 | Connecting Rod Bushing         |
| 203 | Connecting Rod Bearing         |
| 210 | Piston                         |
| 211 | Piston Pin                     |
| 212 | Piston Pin Retainer            |
| 212 | Piston Pin Retainer            |
| 213 | Piston Upper Compression Ring  |
| 214 | Piston Lower Compression Ring  |
| 215 | Piston Oil Control Rail Ring   |
| 216 | Piston Oil Control Ring Spacer |

## 2010 Cadillac SRX

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX



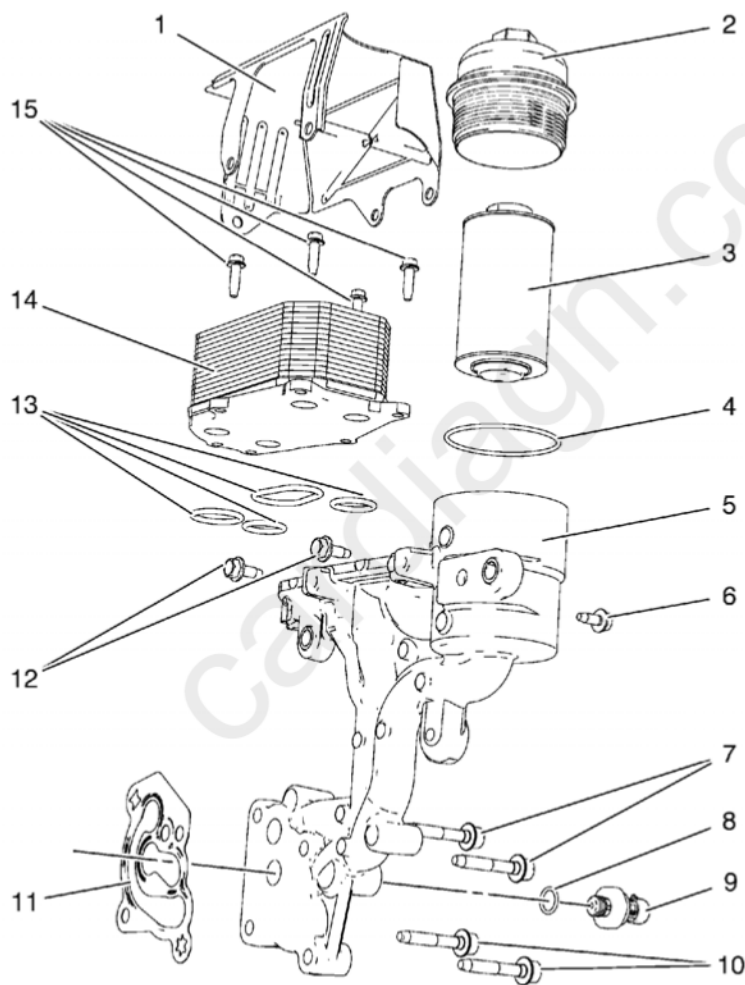
**Fig. 18: Identifying Oil Pan Assembly**  
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name               |
|---------|------------------------------|
| 400     | Oil Pan                      |
| 405     | Oil Pump Suction Pipe        |
| 406     | Oil Pump Suction Pipe Gasket |

## 2010 Cadillac SRX

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|     |                             |
|-----|-----------------------------|
| 407 | Oil Pump Suction Pipe Bolt  |
| 407 | Oil Pump Suction Pipe Bolt  |
| 410 | Oil Pan Baffle Scraper      |
| 411 | Oil Pan Baffle Scraper Bolt |
| 412 | Oil Pan Drain Plug          |
| 413 | Oil Pan Drain Plug - O-Ring |
| 420 | Oil Pan Bolt                |
| 422 | Oil Pan Bolt - Long         |



**Fig. 19: Identifying Oil Filter Adapter (LAU)**

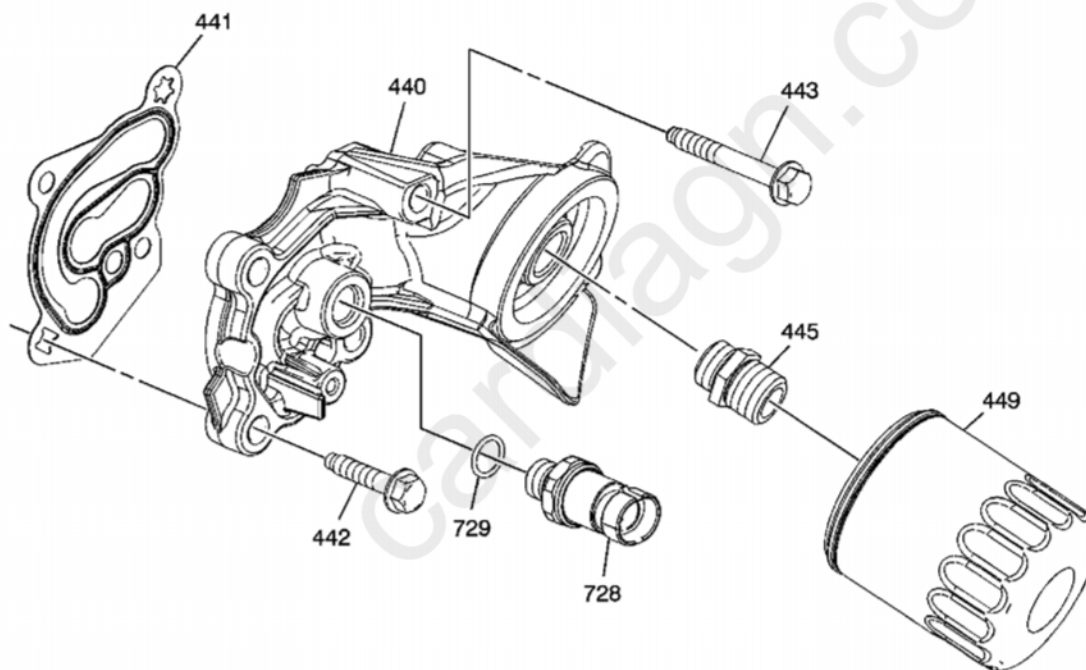
Courtesy of GENERAL MOTORS CORP.

| Callout | Component Name |
|---------|----------------|
| 1       | Heat Shield    |
| 2       | Oil Filter Cap |
| 3       | Oil Filter     |
|         |                |

## 2010 Cadillac SRX

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

|    |                                     |
|----|-------------------------------------|
| 4  | Oil Filter Cap Ring                 |
| 5  | Oil Filter Adapter                  |
| 6  | Heat Shield Bolt                    |
| 7  | Oil Filter Adapter Bolt             |
| 8  | Engine Oil Pressure Sensor - O-Ring |
| 9  | Engine Oil Pressure Sensor          |
| 10 | Oil Filter Adapter Bolt             |
| 11 | Oil Filter Adapter Gasket           |
| 12 | Heat Shield Bolt                    |
| 13 | Oil Cooler - O-Ring                 |
| 14 | Oil Cooler                          |
| 15 | Oil Cooler Bolt                     |



**Fig. 20: Identifying Oil Filter Adapter (LF1)**  
**Courtesy of GENERAL MOTORS CORP.**

| Callout | Component Name                 |
|---------|--------------------------------|
| 440     | Oil Filter Adapter             |
| 441     | Oil Filter Adapter Gasket      |
| 442     | Oil Filter Adapter Bolt        |
| 443     | Oil Filter Adapter Bolt - Long |
| 445     | Oil Filter Fitting             |
| 449     | Oil Filter                     |



## 2010 Cadillac SRX

2010 ENGINE Engine Mechanical - 2.8L, 3.0L, 3.2L, or 3.6L - SRX

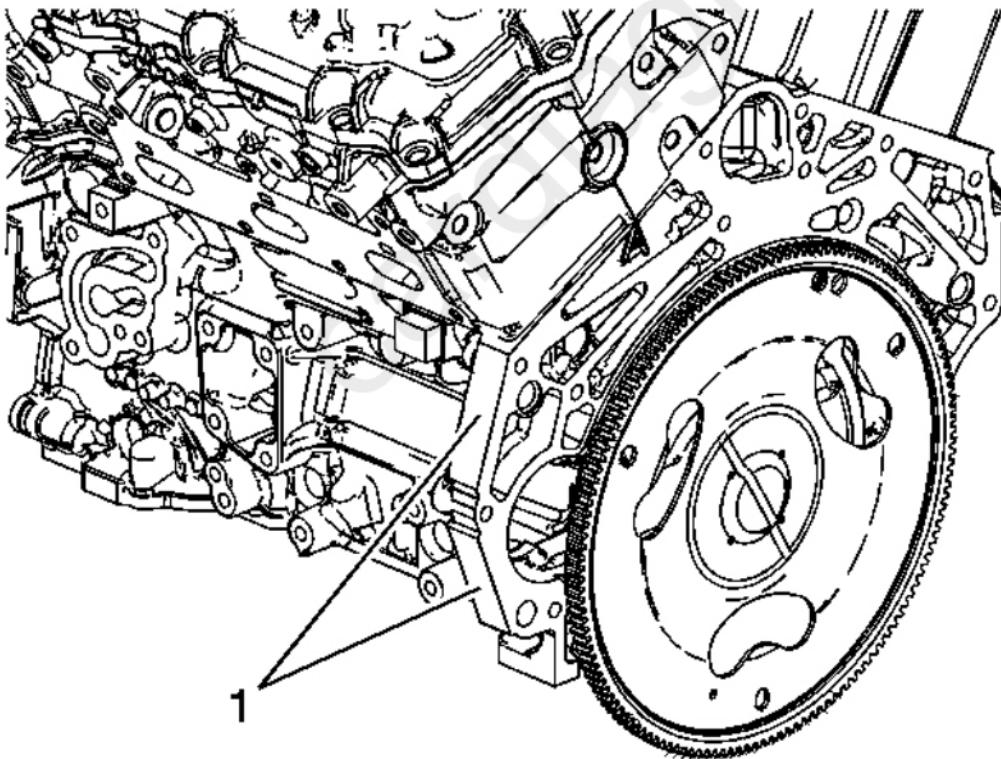
|     |                                   |
|-----|-----------------------------------|
| 728 | Engine Oil Pressure Sensor        |
| 729 | Engine Oil Pressure Sensor O-ring |

### ENGINE IDENTIFICATION

#### Vehicle Identification Number

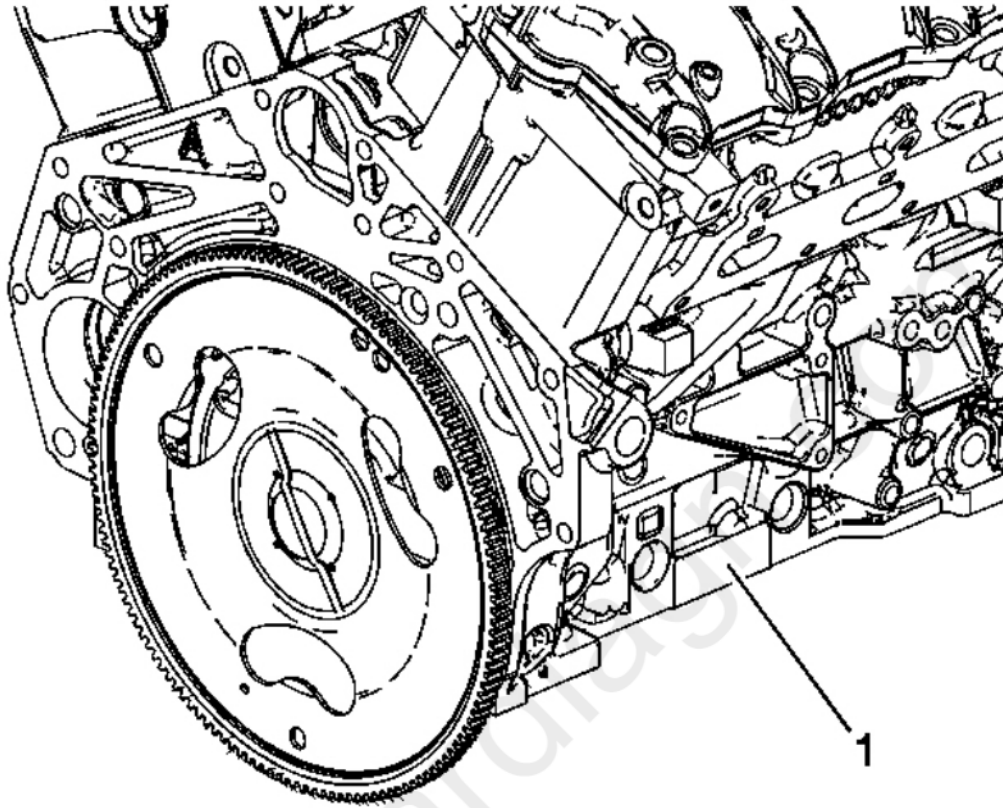
The Vehicle Identification Number (VIN) Derivative is located in two places on the engine and is a nine digit number stamped or laser etched onto the block at the vehicle assembly plant. If reading the identification number the following information can be obtained:

- The first digit identifies the vehicle division.
- The second digit is the model year.
- The third digit identifies the assembly plant.
- The fourth through ninth digits are the last six digits of the Vehicle Identification Number (VIN).



**Fig. 21: Locating Engine VIN - Left Rear Side**  
Courtesy of GENERAL MOTORS CORP.

The engine block is marked with the VIN on a pad area on the left rear side (1).

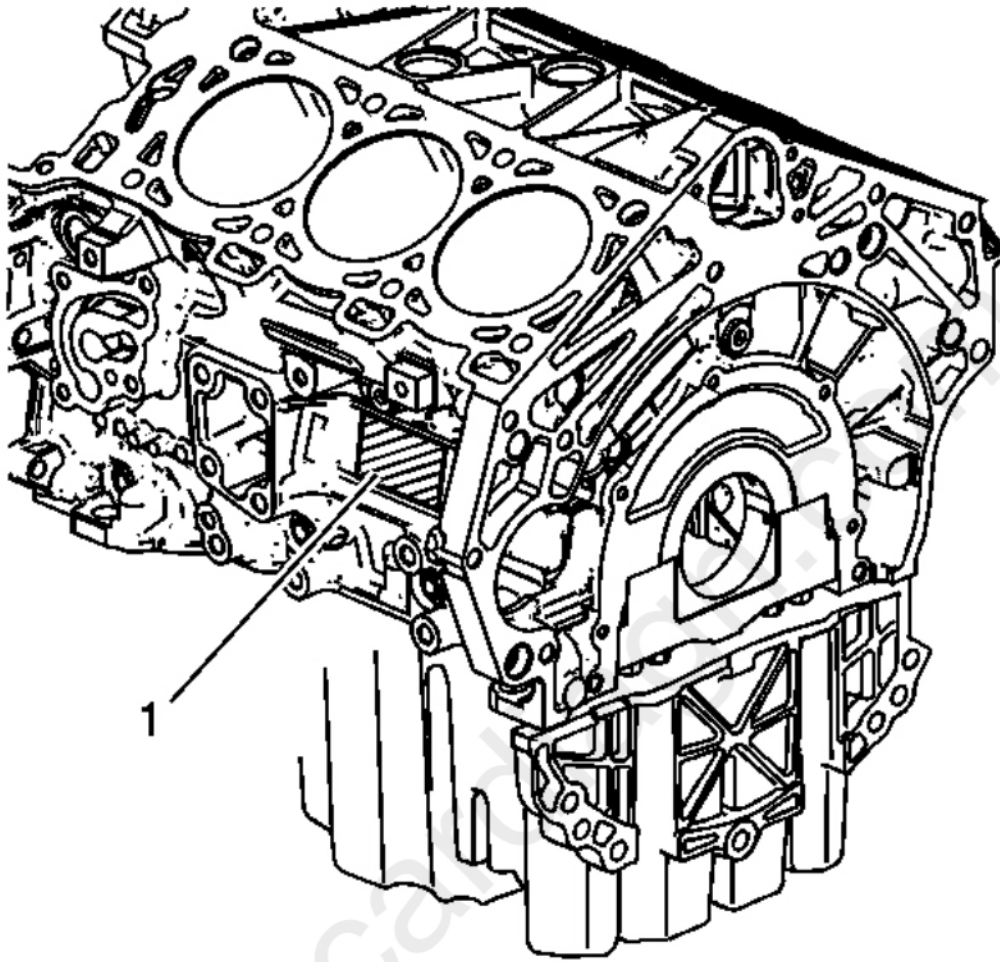


**Fig. 22: Identifying Vehicle Identification Number (VIN)**  
Courtesy of GENERAL MOTORS CORP.

The engine block is marked with the VIN on a pad area on the center lower right side (1).

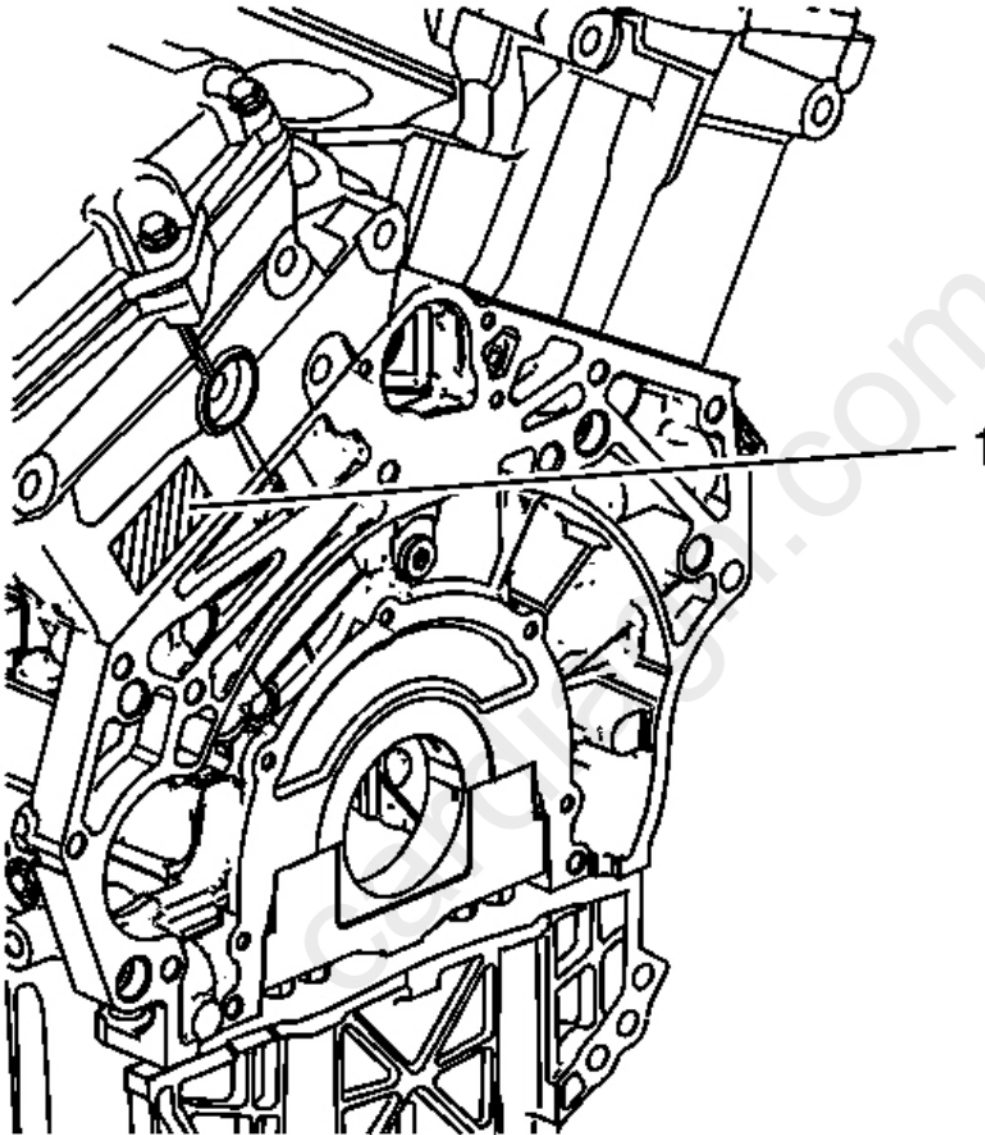
#### **Engine Traceability Label**

The engine traceability label is located in two places on the engine and consists of the broadcast code, bar code and sequence number.



**Fig. 23: Locating Left Rear Engine Traceability Label**  
Courtesy of GENERAL MOTORS CORP.

One engine traceability label (1) is located on the left rear side of the engine block.



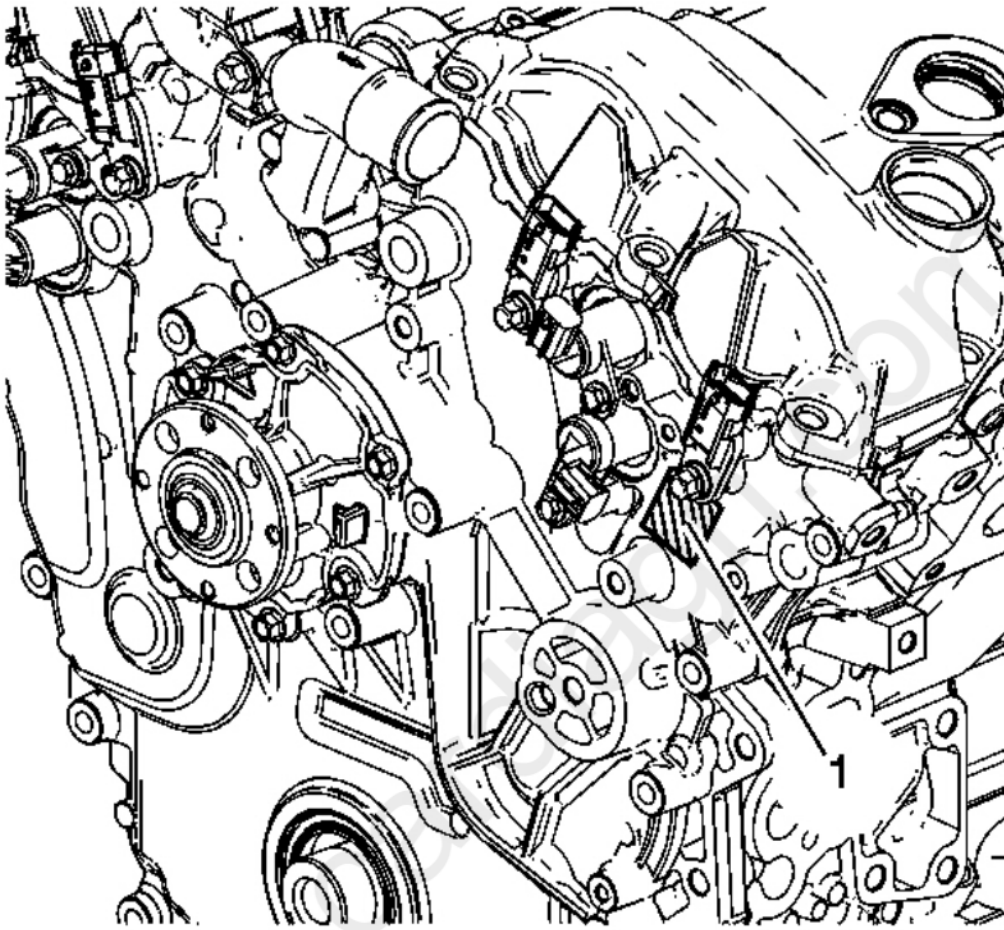
**Fig. 24: View Of Engine Traceability Label On Left Cylinder Head**  
Courtesy of GENERAL MOTORS CORP.

Another engine traceability label (1) is located on the rear of the left cylinder head.

#### **Engine Verification Label**

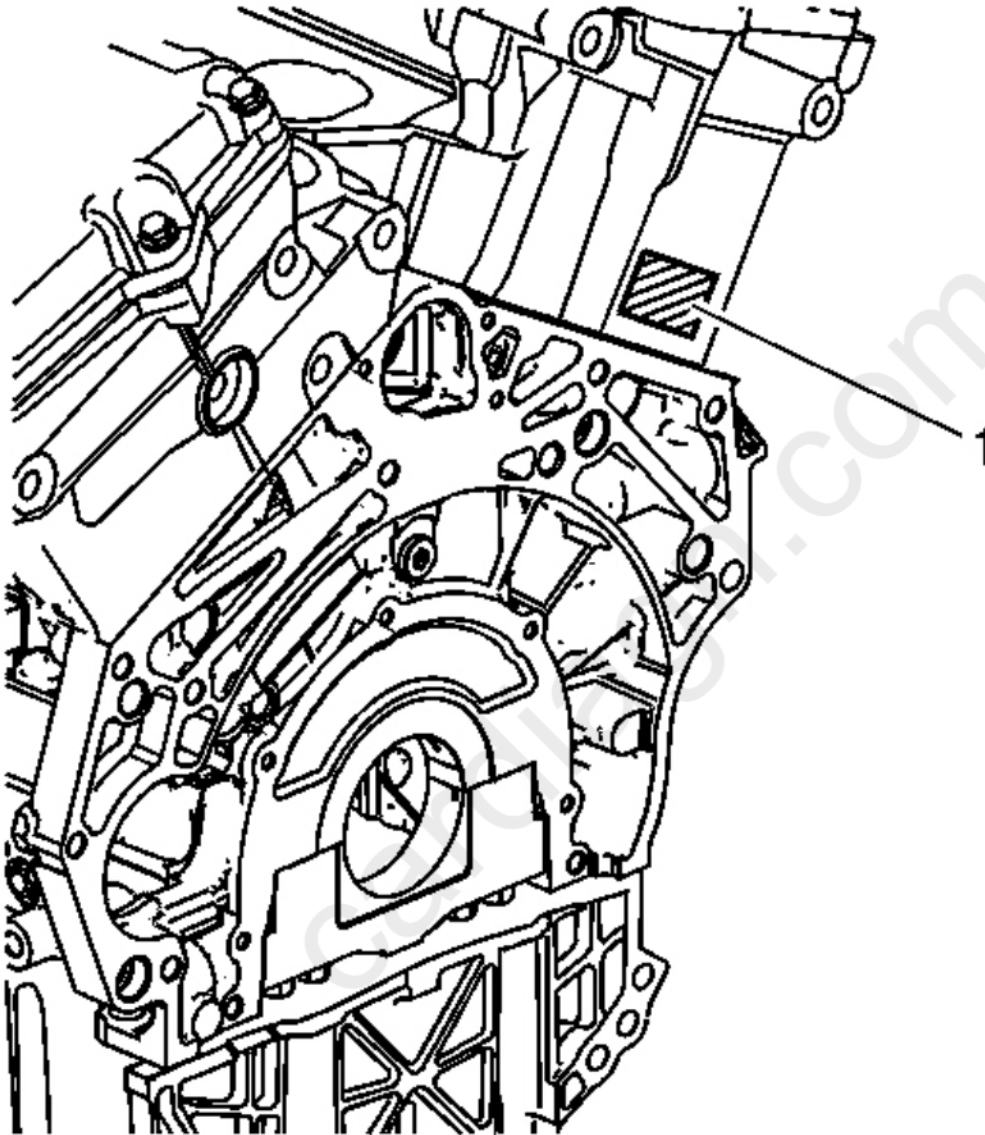
The engine verification label is located in two places on the engine and consists of the broadcast code and bar

code.



**Fig. 25: Identifying Engine Verification Label**  
Courtesy of GENERAL MOTORS CORP.

One engine verification label (1) is located on the left side of the engine front cover below the exhaust camshaft position sensor.



**Fig. 26: Identifying Engine Verification Label On Rear Of Right Cylinder Head**  
Courtesy of GENERAL MOTORS CORP.

Another engine verification label (1) is located on the rear of the right cylinder head.

