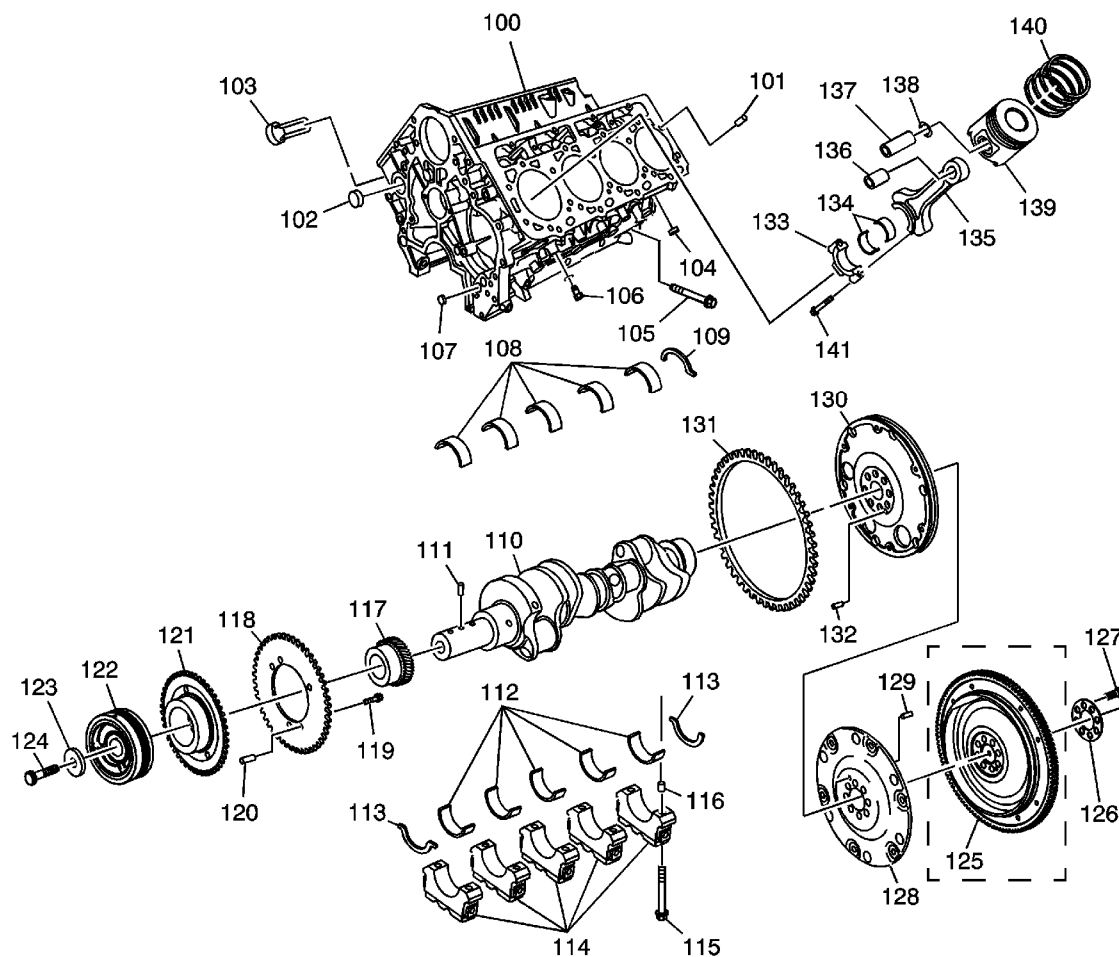


## Engine Block, Crankshaft, Piston

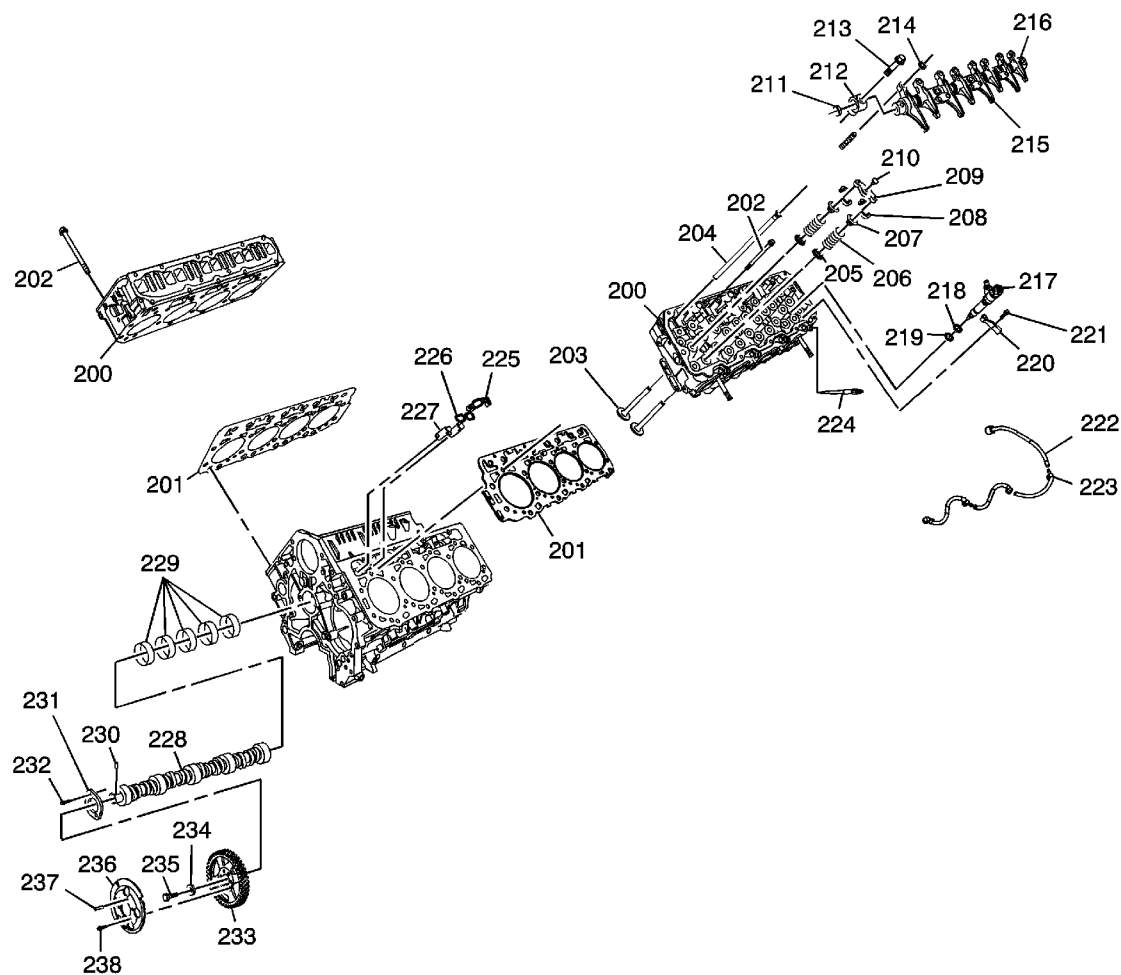


- (100) Engine Block
- (101) Dowel Pin
- (102) Engine Block Plug
- (103) Engine Block Heater
- (104) Engine Block Plug
- (105) Crankshaft Bearing Cap Bolt
- (106) Engine Block Plug
- (107) Engine Block Plug
- (108) Upper Crankshaft Bearings
- (109) Upper Thrust Bearing
- (110) Crankshaft

© 2010 General Motors Corporation. All rights reserved.

- (111) Crankshaft Pin
- (112) Lower Crankshaft Bearings
- (113) Lower Thrust Bearings
- (113) Lower Thrust Bearings
- (114) Crankshaft Bearing Cap
- (115) Crankshaft Bearing Cap Bolt
- (116) Dowel Pin
- (117) Crankshaft Gear
- (118) Crankshaft Position Sensor Exciter Ring
- (119) Crankshaft Position Sensor Exciter Ring Bolt
- (120) Crankshaft Position Sensor Exciter Ring Pin
- (121) Oil Pump Drive Gear
- (122) Crankshaft Balancer
- (123) Crankshaft Balancer Washer
- (124) Crankshaft Balancer Bolt
- (125) Flywheel - Manual Transmission
- (126) Flywheel Washer
- (127) Flywheel Bolt
- (128) Flywheel Plate
- (129) Dowel Pin
- (130) Flywheel - Automatic Transmission
- (131) Ring Gear
- (132) Dowel Pin
- (133) Connecting Rod Cap
- (134) Connecting Rod Bearings
- (135) Connecting Rod
- (136) Connecting Rod Bushing
- (137) Piston Pin
- (138) Piston Pin Retainer
- (139) Piston
- (140) Piston Rings
- (141) Connecting Rod Bolt

## Cylinder Head, Valves, Lifters, Timing Components, Camshaft

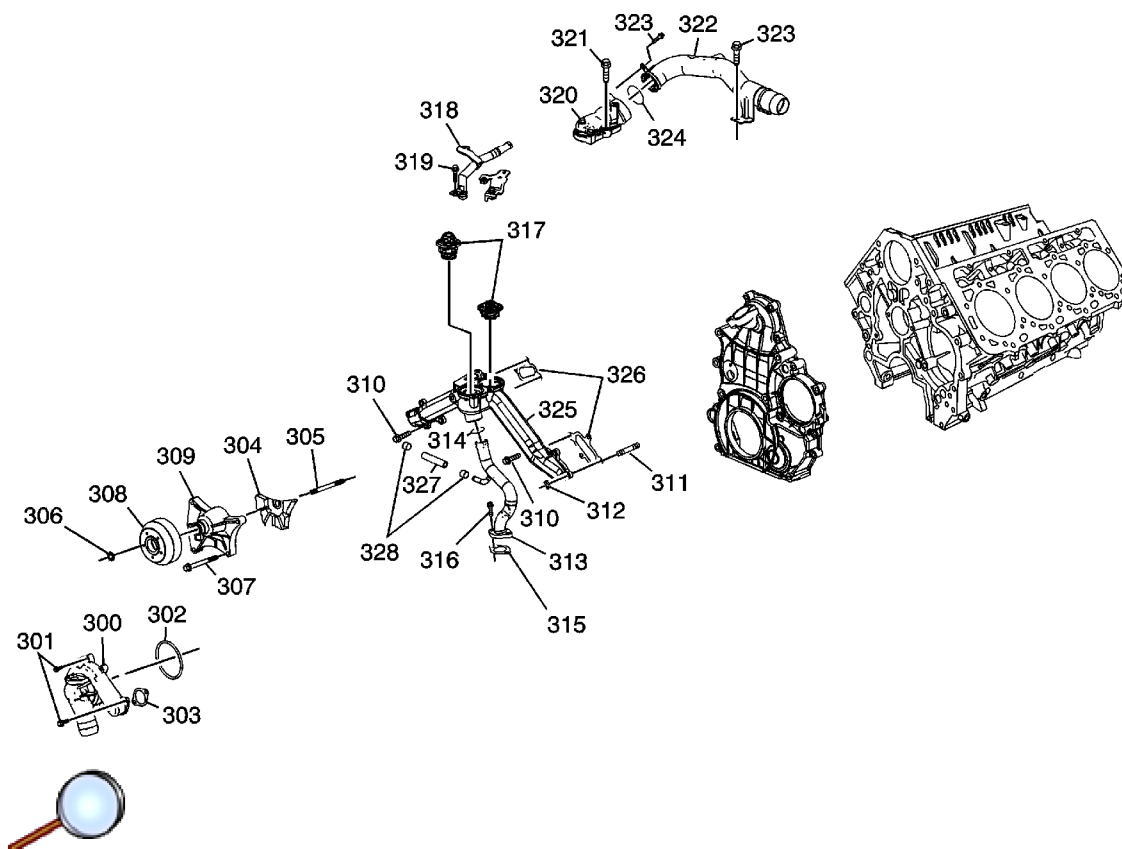


- (200) Cylinder Head
- (200) Cylinder Head
- (201) Cylinder Head Gasket
- (201) Cylinder Head Gasket
- (202) Cylinder Head Bolt
- (202) Cylinder Head Bolt
- (203) Exhaust Valve
- (204) Pushrod
- (205) Valve Spring Seat
- (206) Valve Spring
- (207) Valve Spring Retainer

© 2010 General Motors Corporation. All rights reserved.

- (208) Valve Key
- (209) Valve Bridge
- (210) Valve Bridge Pin
- (211) Rocker Arm Shaft Plug
- (212) Rocker Arm Shaft Mount
- (213) Rocker Arm Shaft Mount Bolt
- (214) Rocker Arm Shaft Assembly Lock Nut
- (215) Rocker Arm
- (216) Rocker Arm Shaft Assembly
- (217) Fuel Injector
- (218) Fuel Injector O-ring Seal
- (219) Fuel Injector Gasket
- (220) Fuel Injector Bracket
- (221) Fuel Injector Bracket Bolt
- (222) Fuel Return Pipe
- (223) Fuel Return Pipe Bolt
- (224) Glow Plug
- (225) Valve Lifter Guide Bracket
- (226) Valve Lifter Guide
- (227) Valve Lifter
- (228) Camshaft
- (229) Camshaft Bearings
- (230) Camshaft Pin
- (231) Camshaft Thrust Plate
- (232) Camshaft Thrust Plate Bolt
- (233) Camshaft Gear
- (234) Camshaft Gear Washer
- (235) Camshaft Gear Bolt
- (236) Camshaft Position Sensor Exciter Ring
- (237) Camshaft Position Sensor Exciter Ring Pin
- (238) Camshaft Position Sensor Exciter Ring Bolt

## Cooling, Water Pump

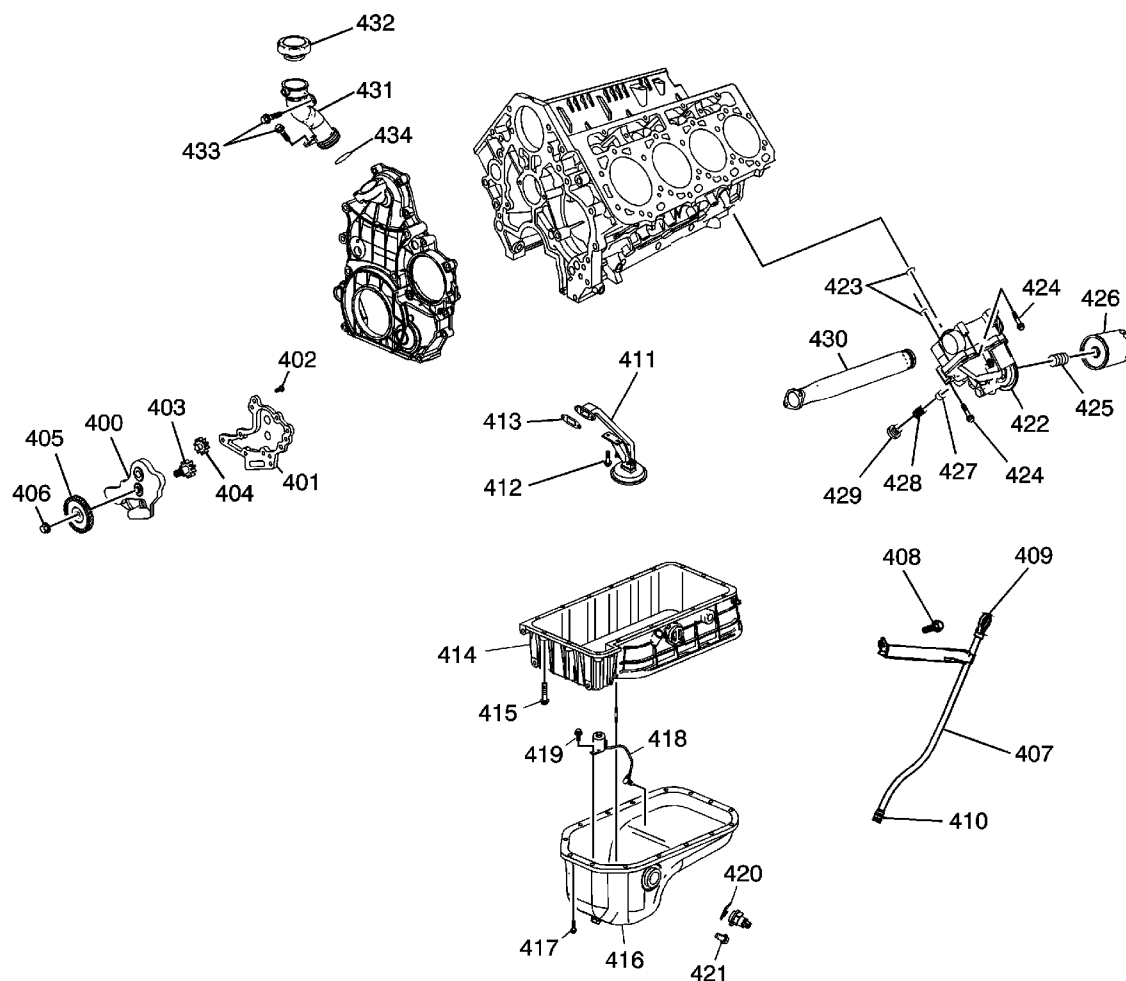


- (300) Water Pump
- (301) Water Pump Bolt
- (302) Water Pump O-ring Seal
- (303) Water Pump Gasket
- (304) Cooling Fan Pulley Insulator
- (305) Cooling Fan Pulley Stud
- (306) Cooling Fan Pulley Nut
- (307) Cooling Fan Pulley Bolt
- (308) Cooling Fan Pulley
- (309) Cooling Fan Pulley Bracket
- (310) Thermostat Housing Bolt
- (310) Thermostat Housing Bolt
- (311) Thermostat Housing Stud
- (312) Thermostat Housing Nut
- (313) Thermostat Bypass Pipe
- (314) Thermostat Bypass Pipe O-ring
- (315) Thermostat Bypass Pipe Gasket
- (316) Thermostat Bypass Pipe Bolt

© 2010 General Motors Corporation. All rights reserved.

- (317) Thermostat
- (318) Heater Pipe
- (319) Heater Pipe Bolt
- (320) Thermostat Cover
- (321) Thermostat Cover Bolt
- (322) Water Outlet
- (323) Water Outlet Bolt
- (323) Water Outlet Bolt
- (324) Water Outlet O-ring Seal
- (325) Thermostat Housing
- (326) Thermostat Housing Gasket
- (327) Thermostat Bypass Pipe Crossover Tube
- (328) Thermostat Bypass Pipe Crossover Tube Clamps

## Oil Pan, Pump, Filter, Tube



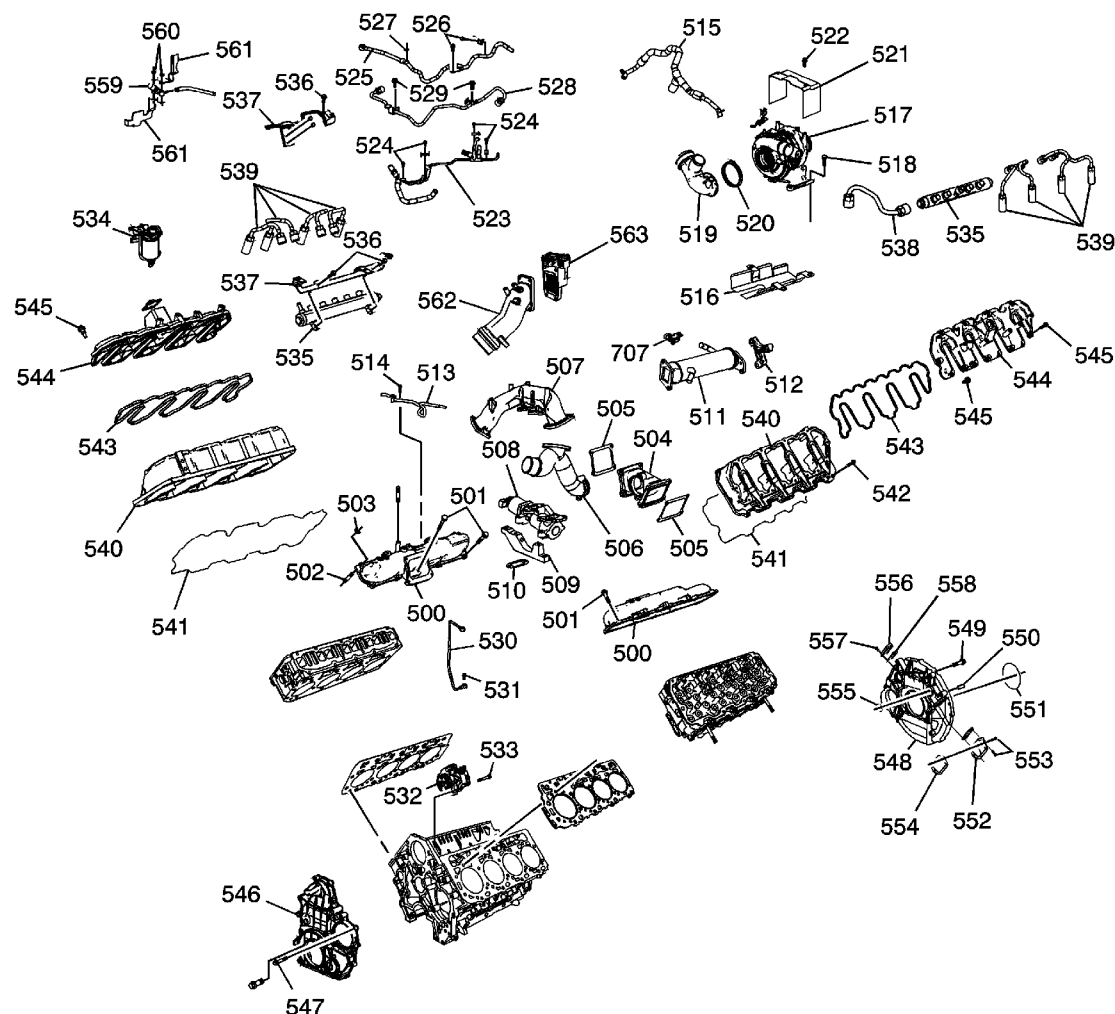
- (400) Oil Pump Housing
- (401) Oil Pump Cover
- (402) Oil Pump Cover Bolt
- (403) Oil Pump Drive Gear
- (404) Oil Pump Driven Gear
- (405) Oil Pump Gear
- (406) Oil Pump Gear Nut
- (407) Oil Level Indicator Tube
- (408) Oil Level Indicator Tube Bolt
- (409) Oil Level Indicator
- (410) Oil Level Indicator Tube O-ring

© 2010 General Motors Corporation. All rights reserved.

- (411) Oil Pump Pipe and Screen Assembly
- (412) Oil Pump Pipe and Screen Assembly Bolt
- (413) Oil Pump Pipe and Screen assembly Gasket
- (414) Upper Oil Pan
- (415) Upper Oil Pan Bolt
- (416) Lower Oil Pan
- (417) Lower Oil Pan Bolt
- (418) Oil Level Sensor
- (419) Oil Level Sensor Bolt
- (420) Oil Level Sensor Retainer
- (421) Oil Drain Plug
- (422) Engine Oil Cooler
- (423) Engine Oil Cooler O-ring
- (424) Engine Oil Cooler Bolt
- (424) Engine Oil Cooler Bolt
- (425) Oil Filter Adapter
- (426) Oil Filter
- (427) Oil Pressure Relief Valve Spring Cup
- (428) Oil Pressure Relief Valve Spring
- (429) Oil Pressure Relief Valve Spring Plug
- (430) Oil Cooler Tube
- (431) Oil Fill Tube
- (432) Oil Fill Tube Cap
- (433) Oil Fill Tube Bolt
- (434) Oil Fill Tube O-ring



## Intake Manifold, Rails, Covers



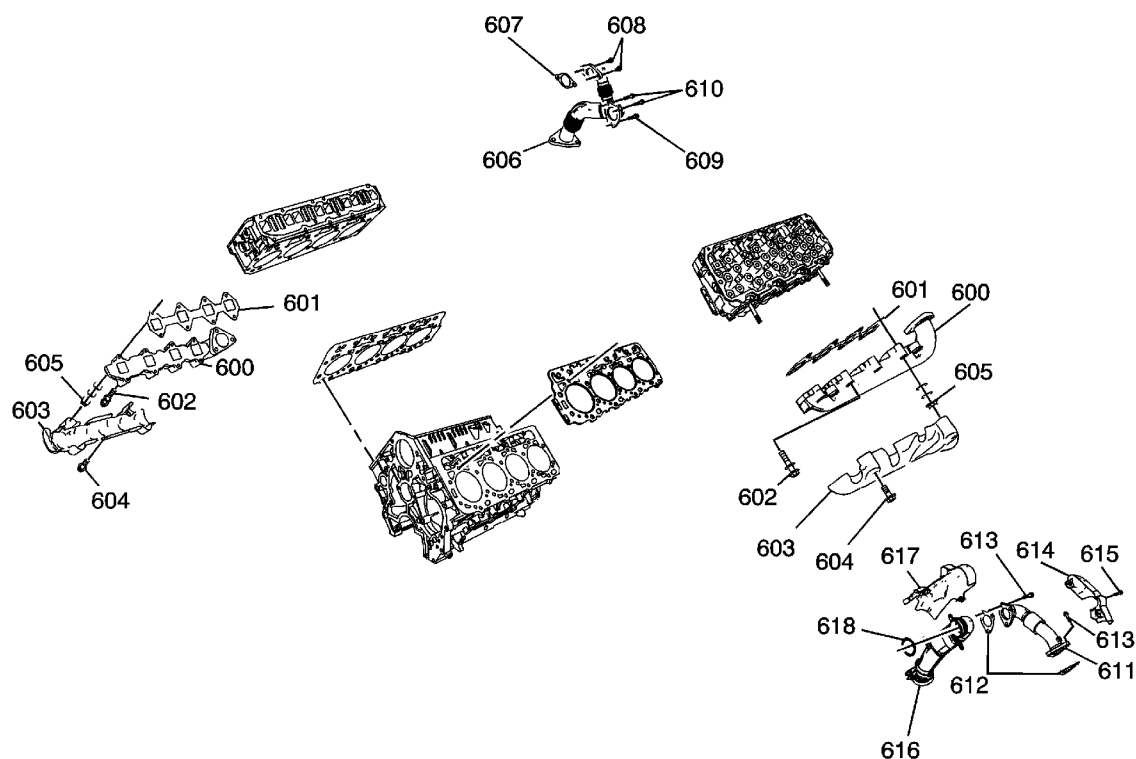
- (500) Intake Manifold
- (500) Intake Manifold
- (501) Intake Manifold Bolt
- (501) Intake Manifold Bolt
- (502) Intake Manifold Stud
- (503) Intake Manifold Nut
- (504) Intake Manifold Crossover
- (505) Intake Manifold Crossover Gasket
- (505) Intake Manifold Crossover Gasket
- (506) Intake Manifold Tube
- (507) Air Inlet Tube

© 2010 General Motors Corporation. All rights reserved.

- (508) EGR
- (509) EGR Bracket
- (510) EGR Gasket
- (511) EGR Cooler
- (512) EGR Cooler Bracket
- (513) Fuel Pipe
- (514) Fuel Pipe Bolt
- (515) PCV Hose
- (516) Lower Turbocharger Heat Shield
- (517) Turbocharger
- (518) Turbocharger Bolt
- (519) Turbocharger Air Inlet
- (520) Turbocharger Air Inlet Clamp
- (521) Upper Turbocharger Heat Shield
- (522) Upper Turbocharger Heat Shield Bolt
- (523) Fuel Inlet Pipe Assembly
- (524) Fuel Inlet Pipe Assembly Bolt
- (524) Fuel Inlet Pipe Assembly Bolt
- (525) Fuel Feed Pipe
- (526) Fuel Feed Pipe Bolt
- (527) Fuel Feed Pipe Nut
- (528) Fuel Rail Balance Pipe
- (529) Fuel Rail Balance Pipe Bolt
- (530) Turbocharger Oil Supply Line
- (531) Turbocharger Oil Supply Line Bolt
- (532) Fuel Injection Pump
- (533) Fuel Injection Pump Bolt
- (534) Fuel Filter Assembly
- (535) Fuel Rail
- (535) Fuel Rail
- (536) Fuel Rail Bolts
- (536) Fuel Rail Bolts
- (537) Fuel Rail Bracket
- (537) Fuel Rail Bracket
- (538) Fuel Injection Pump Pipe
- (539) Injection Pipes
- (539) Injection Pipes
- (540) Lower Valve Rocker Arm Cover
- (540) Lower Valve Rocker Arm Cover
- (541) Lower Valve Rocker Arm Cover Gasket
- (541) Lower Valve Rocker Arm Cover Gasket
- (542) Lower Valve Rocker Arm Cover Bolt
- (543) Upper Valve Rocker Arm Cover Gasket
- (543) Upper Valve Rocker Arm Cover Gasket
- (544) Upper Valve Rocker Arm Cover

- (544) Upper Valve Rocker Arm Cover
- (545) Upper Valve Rocker Arm Cover Bolt
- (545) Upper Valve Rocker Arm Cover Bolt
- (545) Upper Valve Rocker Arm Cover Bolt
- (546) Engine Front Cover
- (547) Engine Front Cover Bolt
- (548) Flywheel Housing
- (549) Flywheel Housing Bolt
- (550) Dowel Pin
- (551) Crankshaft Rear Oil Seal
- (552) Flywheel Housing Oil Cooler Adapter
- (553) Flywheel Housing Oil Cooler Adapter Bolt
- (554) Flywheel Housing Oil Cooler Adapter Gasket
- (555) Flywheel Housing O-ring
- (556) Flywheel Housing Cover
- (557) Flywheel Housing Cover Bolt
- (558) Flywheel Housing Cover Gasket
- (559) Fuel Schrader Valve
- (560) Fuel Schrader Valve Nuts
- (561) Fuel Schrader Valve Bracket
- (561) Fuel Schrader Valve Bracket
- (562) Intake Pipe
- (563) Intake Heater
- (707) Turbocharger Boost Sensor

## Exhaust Manifolds, EGR, Air

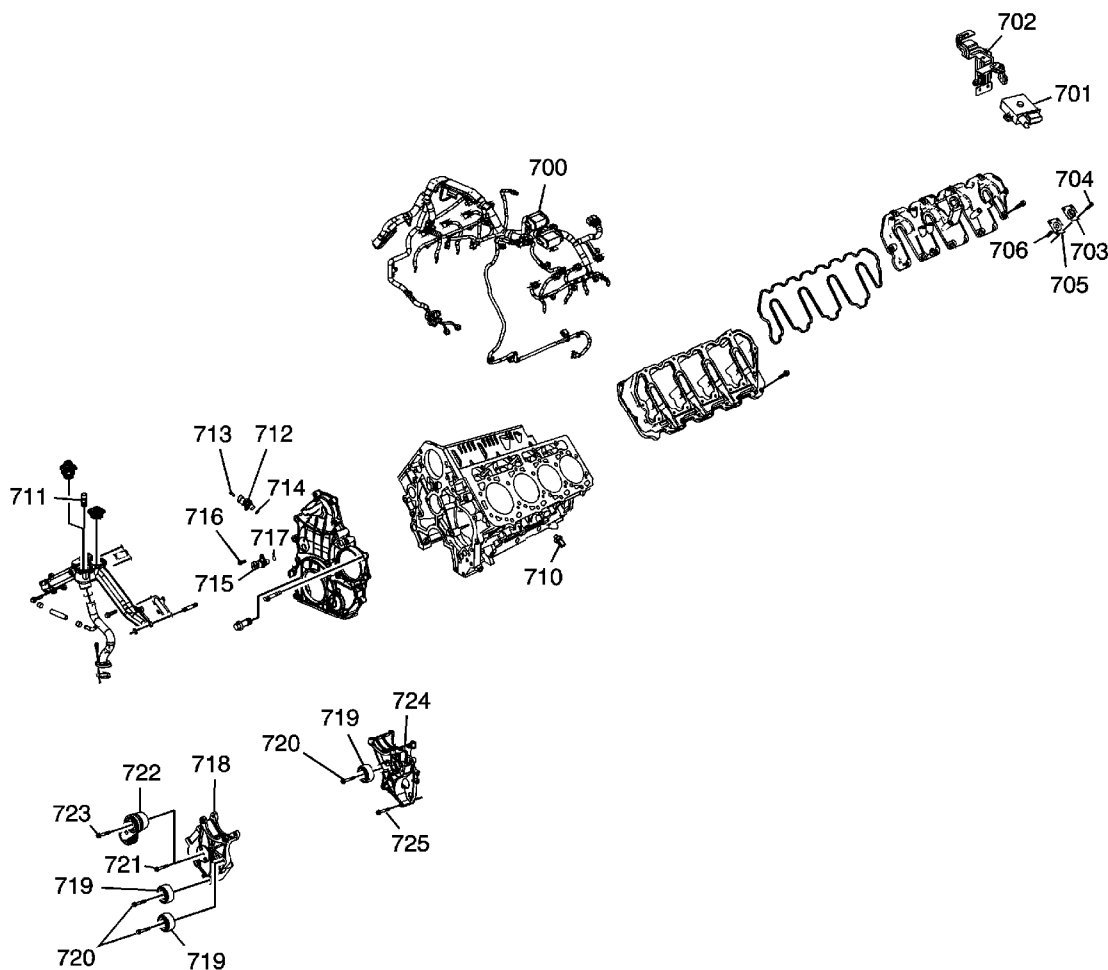


- (600) Exhaust Manifold
- (600) Exhaust Manifold
- (601) Exhaust Manifold Gasket
- (601) Exhaust Manifold Gasket
- (602) Exhaust Manifold Bolt
- (602) Exhaust Manifold Bolt
- (603) Exhaust Manifold Heat Shield
- (603) Exhaust Manifold Heat Shield
- (604) Exhaust Manifold Heat Shield Bolt
- (604) Exhaust Manifold Heat Shield Bolt
- (605) Exhaust Manifold Nut

© 2010 General Motors Corporation. All rights reserved.

- (605) Exhaust Manifold Nut
- (606) Exhaust Pipe
- (607) Exhaust Pipe Gasket
- (608) Exhaust Pipe Bolt
- (609) Exhaust Pipe Stud
- (610) Exhaust Pipe Nut
- (611) Exhaust Crossover Pipe
- (612) Exhaust Crossover Pipe Gasket
- (613) Exhaust Crossover Pipe Bolt
- (613) Exhaust Crossover Pipe Bolt
- (614) Exhaust Crossover Pipe Heat Shield
- (615) Exhaust Crossover Pipe Heat Shield Bolt
- (616) Exhaust Outlet Adapter
- (617) Exhaust Outlet Heat Shield
- (618) Exhaust Outlet Adapter Clamp

## Miscellaneous, Sensors, Ignition, Vacuum Hoses, Electrical



- (700) Engine Wiring Harness
- (701) Glow Plug Controller
- (702) Glow Plug Controller Bracket
- (703) PCV Cover
- (704) PCV Cover Bolt
- (705) PCV Diaphragm
- (706) PCV Spring
- (710) Oil Pressure Sensor
- (711) Coolant Temperature Sensor
- (712) Crankshaft Position Sensor
- (713) Crankshaft Position Sensor Bolt

© 2010 General Motors Corporation. All rights reserved.

(714) Crankshaft Position Sensor O-ring  
(715) Camshaft Position Sensor  
(716) Camshaft Position Sensor Bolt  
(717) Camshaft Position Sensor O-ring  
(718) Generator Mounting Bracket  
(719) Idler Pulley  
(719) Idler Pulley  
(719) Idler Pulley  
(720) Idler Pulley Bolt  
(720) Idler Pulley Bolt  
(721) Generator Mounting Bracket Bolt  
(722) Drive Belt Tensioner  
(723) Drive Belt Tensioner Bolt  
(724) Power Steering Pump Bracket  
(725) Power Steering Pump Bracket Bolt