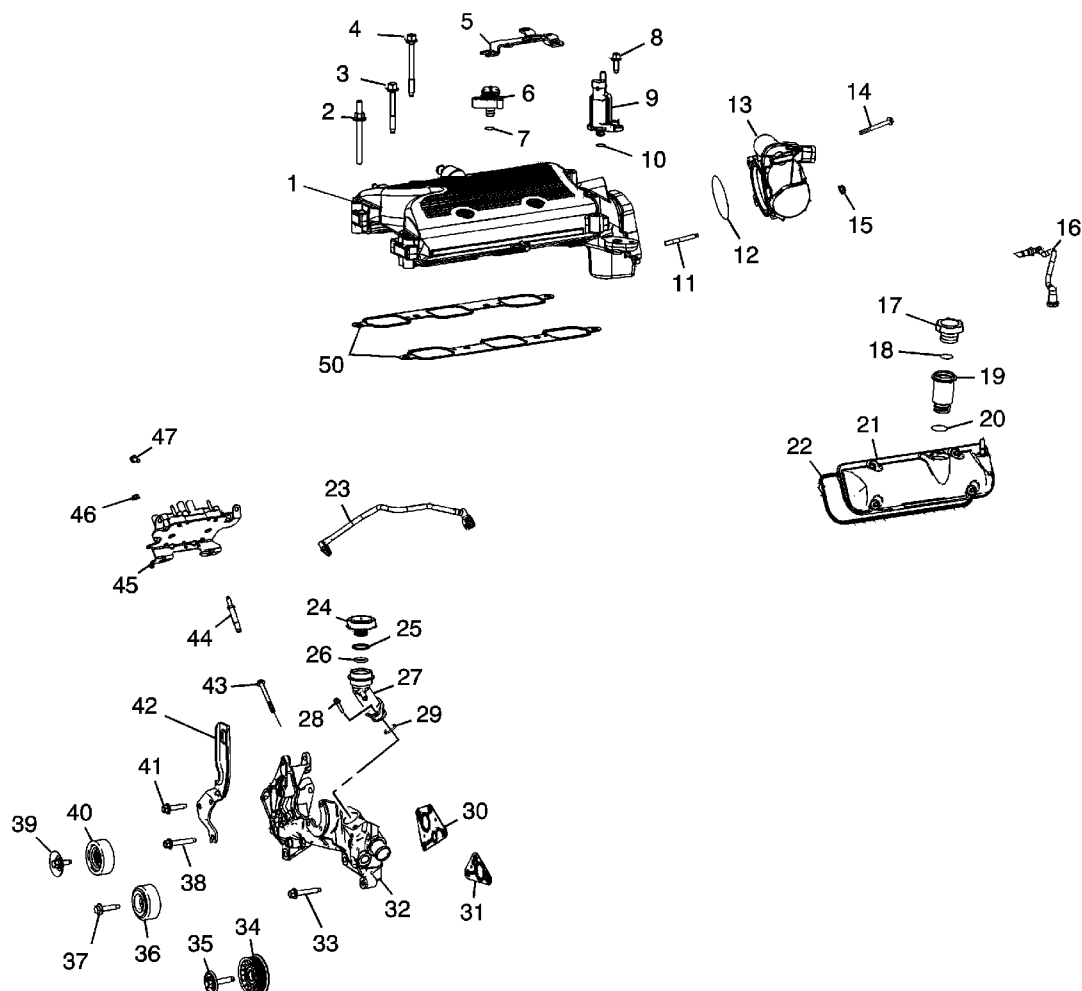


Upper Intake Manifold and Components

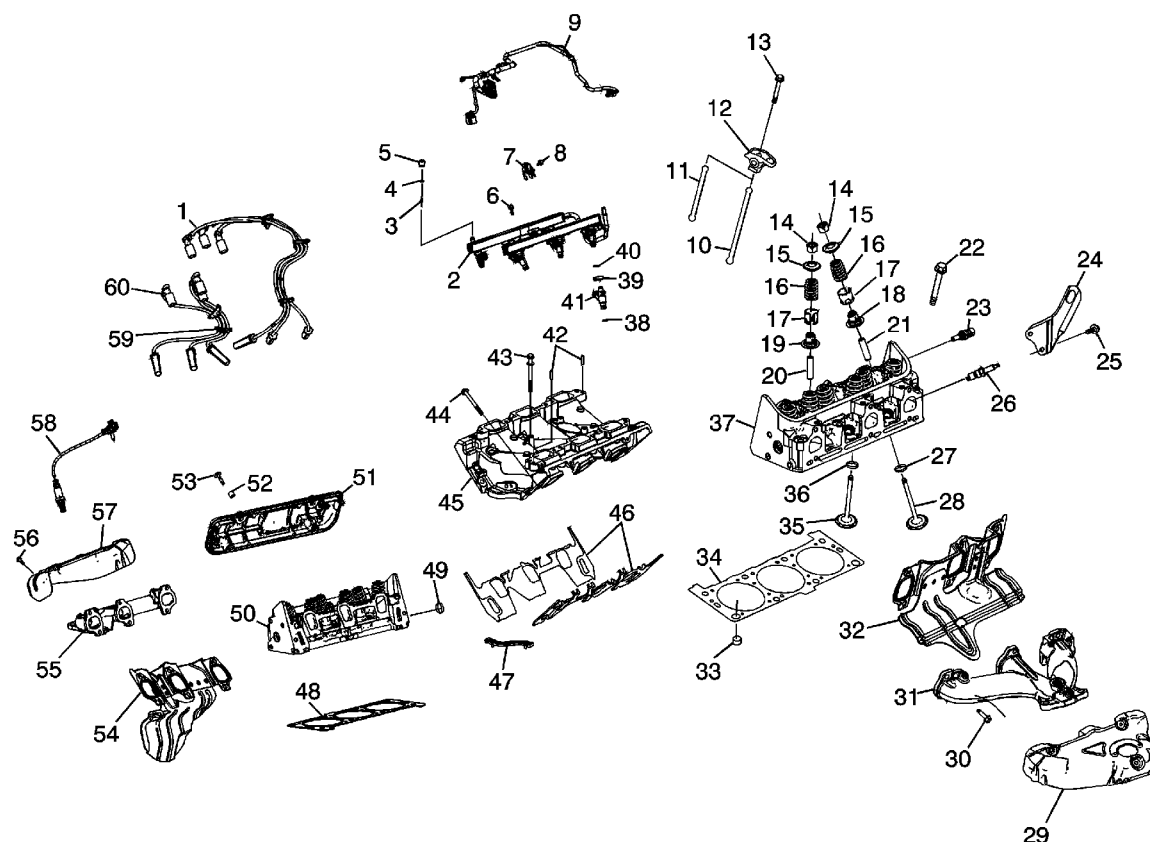


- (1) Upper Intake Manifold
- (2) Upper Intake Manifold Stud
- (3) Upper Intake Manifold Bolt
- (4) Upper Intake Manifold Bolt
- (5) Manifold Absolute Pressure Sensor Bracket
- (6) Manifold Absolute Pressure Sensor
- (7) Manifold Absolute Pressure Sensor Seal
- (8) Evaporative Emission Canister Purge Solenoid Valve Bolt
- (9) Evaporative Emission Canister Purge Solenoid Valve
- (10) Evaporative Emission Canister Purge Solenoid Valve Seal
- (11) Throttle Body Stud

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- (12) Throttle Body Seal
- (13) Throttle Body
- (14) Throttle Body Bolt
- (15) Throttle Body Nut
- (16) Positive Crankcase Ventilation Tube
- (17) Oil Filler Cap
- (18) Oil Filler Cap Seal
- (19) Oil Filler Tube
- (20) Oil Filler Tube Seal
- (21) Valve Rocker Arm Cover
- (22) Valve Rocker Arm Cover Gasket
- (23) Positive Crankcase Ventilation Tube
- (24) Engine Coolant Filler Cap
- (25) Engine Coolant Filler Tube Adapter Seal
- (26) Engine Coolant Filler Tube Adapter Seal
- (27) Engine Coolant Filler Tube Adapter
- (28) Engine Coolant Filler Tube Adapter Bolt
- (29) Engine Coolant Filler Tube Adapter Seal
- (30) Engine Coolant Crossover Pipe Gasket
- (31) Engine Coolant Crossover Pipe Gasket
- (32) Engine Coolant Crossover Pipe
- (33) Engine Coolant Crossover Pipe Bolt
- (34) Belt Idler Pulley
- (35) Belt Idler Pulley Bolt
- (36) Belt Idler Pulley
- (37) Belt Idler Pulley Bolt
- (38) Engine Lift Front Bracket Bolt
- (39) Belt Idler Pulley Bolt
- (40) Belt Idler Pulley
- (41) Engine Lift Front Bracket Bolt
- (42) Engine Lift Front Bracket
- (43) Water Outlet Bolt
- (44) Ignition Coil Stud
- (45) Ignition Coil
- (46) Ignition Coil Nut
- (47) Ignition Coil Bolt
- (50) Upper Intake Manifold Gasket

Lower Intake Manifold, Cylinder Head, and Components



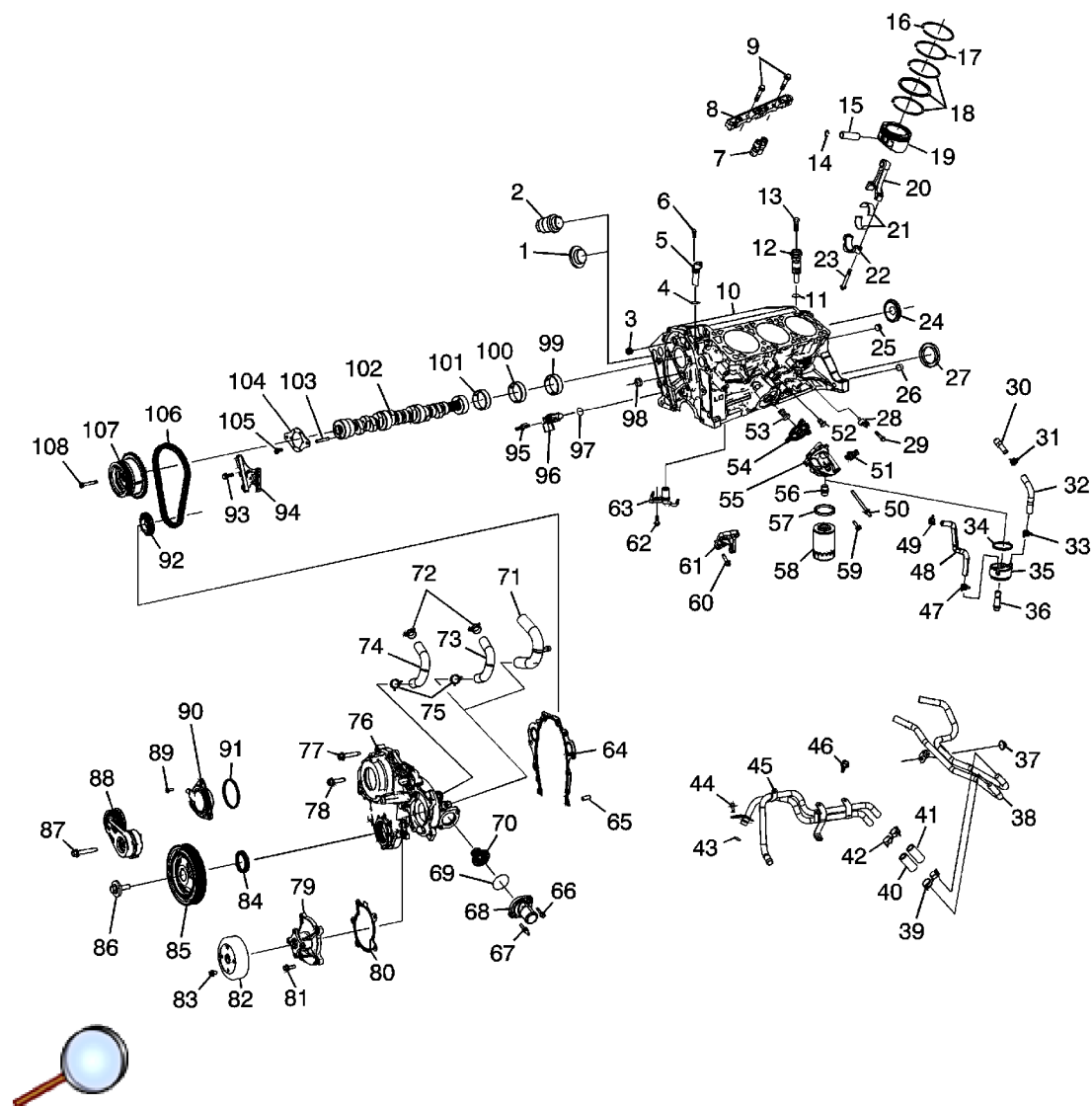
- (1) Spark Plug Wire Harness
- (2) Sequential Multiport Fuel Injection Fuel Rail
- (3) Fuel Schrader Valve
- (4) Fuel Pressure Service Valve Cap Seal
- (5) Fuel Pressure Service Valve Cap
- (6) Fuel Injection Fuel Rail Bolt
- (7) Fuel Injector Wiring Harness Connector Bracket
- (8) Fuel Injector Wiring Harness Connector Bracket Bolt
- (9) Fuel Injector Wiring Harness
- (10) Valve Push Rod
- (11) Valve Push Rod

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- (12) Valve Rocker Arm
- (13) Valve Rocker Arm Bolt
- (14) Valve Stem Key
- (14) Valve Stem Key
- (15) Valve Spring Cap
- (15) Valve Spring Cap
- (16) Valve Spring
- (16) Valve Spring
- (17) Valve Spring Damper
- (17) Valve Spring Damper
- (18) Valve Stem Oil Seal
- (19) Valve Stem Oil Seal
- (20) Valve Guide
- (21) Valve Guide
- (22) Cylinder Head Bolt
- (23) Engine Coolant Temperature Sensor
- (24) Engine Lift Bracket - Rear
- (25) Engine Lift Bracket Bolt - Rear
- (26) Spark Plug
- (27) Exhaust Valve Seat
- (28) Exhaust Valve
- (29) Exhaust Manifold Heat Shield
- (30) Exhaust Manifold Bolt
- (31) Exhaust Manifold
- (32) Exhaust Manifold Gasket
- (33) Cylinder Head Location Pin
- (34) Cylinder Head Gasket
- (35) Intake Valve
- (36) Intake Valve Seat
- (37) Cylinder Head
- (38) Fuel Injector Seal
- (39) Fuel Injector Retainer
- (40) Fuel Injector Seal
- (41) Sequential Multiport Fuel Injector
- (42) Lower Intake Manifold Location Pin
- (43) Lower Intake Manifold Bolt
- (44) Lower Intake Manifold Bolt
- (45) Lower Intake Manifold
- (46) Lower Intake Manifold Gasket
- (47) Lower Intake Manifold Seal
- (48) Cylinder Head Gasket
- (49) Cylinder Head Core Hole Plug
- (50) Cylinder Head
- (51) Valve Rocker Arm Cover
- (52) Valve Rocker Arm Cover Bolt Grommet

- (53) Valve Rocker Arm Cover Bolt
- (54) Exhaust Manifold Gasket
- (55) Exhaust Manifold
- (56) Exhaust Manifold Heat Shield Bolt
- (57) Exhaust Manifold Heat Shield
- (58) Oxygen Sensor
- (59) Spark Plug Wire Support
- (60) Spark Plug Wire Harness

Engine Block and Components



- (1) Engine Block Coolant Hole Plug
- (2) Engine Block Heater
- (3) Engine Block Oil Gallery Plug
- (4) Camshaft Sensor Seal
- (5) Crankshaft Position Sensor
- (6) Crankshaft Position Sensor Bolt
- (7) Valve Lifter
- (8) Valve Lifter Guide
- (9) Valve Lifter Guide Bolt
- (10) Engine Block
- (11) Oil Pump Drive Seal

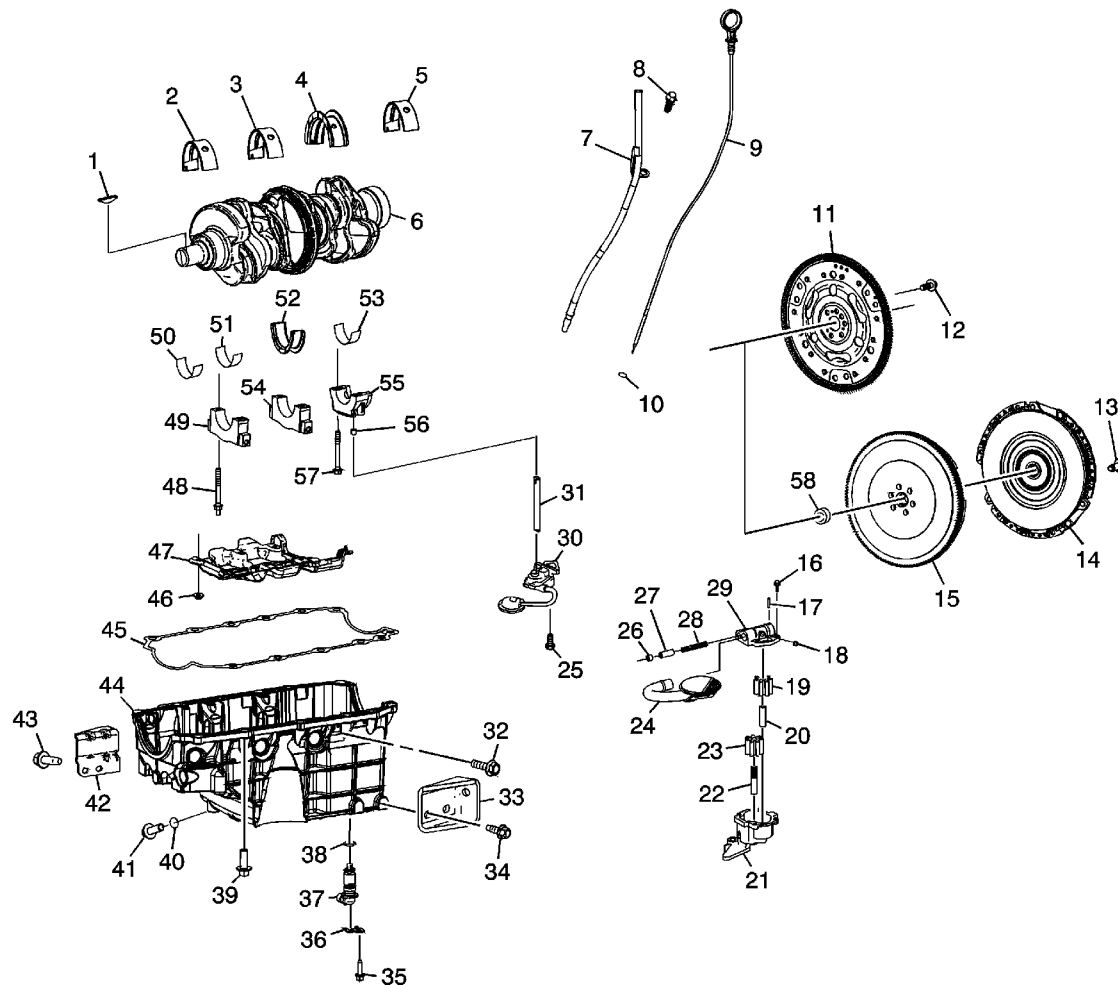
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- (12) Oil Pump Drive
- (13) Oil Pump Drive Clamp Bolt
- (14) Piston Pin Retainer
- (15) Piston Pin
- (16) Piston Compression Upper Ring
- (17) Piston Compression Lower Ring
- (18) Piston Oil Ring Rail
- (19) Piston
- (20) Connecting Rod
- (21) Connecting Rod Bearing
- (22) Connecting Rod Bearing Cap
- (23) Connecting Rod Bolt
- (24) Camshaft Rear Bearing Hole Plug
- (25) Engine Block Oil Gallery Plug
- (26) Crankshaft Rear Oil Seal
- (27) Transmission Locating Pin
- (28) Knock Sensor
- (29) Knock Sensor Bolt
- (30) Engine Oil Cooler Fitting
- (31) Engine Oil Cooler Hose Clamp
- (32) Engine Oil Cooler Inlet Hose
- (33) Engine Oil Cooler Hose Clamp
- (34) Engine Oil Cooler Gasket
- (35) Engine Oil Cooler
- (36) Engine Oil Cooler Connector
- (37) Heater Inlet and Outlet Pipe Nut
- (38) Heater Inlet and Outlet Pipe
- (39) Heater Outlet Hose Clamp
- (40) Heater Outlet Front Hose
- (41) Heater Outlet Front Hose
- (42) Heater Outlet Hose Clamp
- (43) Heater Inlet Pipe Adapter Seal
- (44) Heater Inlet Pipe Bolt
- (45) Heater Inlet and Outlet Pipe
- (46) Heater Inlet Pipe Bolt
- (47) Engine Oil Cooler Hose Clamp
- (48) Engine Oil Cooler Outlet Hose
- (49) Engine Oil Cooler Hose Clamp
- (50) Oil Filter Adapter Stud
- (51) Engine Oil Pressure Indicator Switch
- (52) Engine Block Coolant Hole Plug
- (53) Oil Filter Bypass Valve
- (54) Oil Filter Adapter Gasket
- (55) Oil Filter Adapter
- (56) Oil Filter Fitting

- (57) Oil Filter Gasket
- (58) Oil Filter
- (59) Oil Filter Adapter Bolt
- (60) Air Conditioning Compressor Bracket Bolt
- (61) Air Conditioning Compressor Bracket
- (62) Piston Oil Nozzle Bolt
- (63) Piston Oil Nozzle
- (64) Engine Front Cover Gasket
- (65) Engine Front Cover Location Pin
- (66) Water Outlet Bolt
- (67) Water Outlet Stud
- (68) Water Outlet
- (69) Engine Coolant Thermostat Seal
- (70) Engine Coolant Thermostat
- (71) Thermostat Bypass Hose
- (72) Thermostat Bypass Pipe Clamp
- (73) Thermostat Bypass Hose
- (74) Thermostat Bypass Hose
- (75) Thermostat Bypass Pipe Clamp
- (76) Engine Front Cover
- (77) Engine Front Cover Bolt
- (78) Engine Front Cover Bolt
- (79) Water Pump
- (80) Water Pump Gasket
- (81) Water Pump Bolt
- (82) Water Pump Pulley
- (83) Water Pump Pulley Bolt
- (84) Crankshaft Front Oil Seal
- (85) Crankshaft Balancer
- (86) Crankshaft Balancer Bolt
- (87) Drive Belt Tensioner Bolt
- (88) Drive Belt Tensioner
- (89) Camshaft Position Actuator Magnet Bolt
- (90) Camshaft Position Actuator Magnet
- (91) Camshaft Position Actuator Magnet Gasket
- (92) Crankshaft Sprocket
- (93) Timing Chain Damper Bolt
- (94) Timing Chain Damper
- (95) Crankshaft Position Sensor Stud
- (96) Crankshaft Position Sensor
- (97) Crankshaft Position Sensor Seal
- (98) Engine Block Oil Gallery Plug
- (99) Camshaft Bearing
- (100) Camshaft Bearing
- (101) Camshaft Bearing

- (102) Camshaft
- (103) Camshaft Position Actuator Solenoid Valve Filter
- (104) Camshaft Thrust Plate
- (105) Camshaft Thrust Plate Bolt
- (106) Timing Chain
- (107) Camshaft Position Actuator
- (108) Camshaft Position Actuator Bolt

Crankshaft and Components



- (1) Crankshaft Balancer Key
- (2) Crankshaft Upper No. 1 Bearing
- (3) Crankshaft Upper No. 2 Bearing
- (4) Crankshaft Upper No. 3 Bearing
- (5) Crankshaft Upper No. 4 Bearing
- (6) Crankshaft
- (7) Oil Level Indicator Tube
- (8) Oil Level Indicator Tube Bolt
- (9) Oil Level Indicator
- (10) Oil Level Indicator Seal
- (11) Flywheel

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- (12) Flywheel Bolt
- (13) Clutch Pressure Plate Bolt
- (14) Clutch Pressure Plate
- (15) Flywheel
- (16) Oil Pump Cover Bolt
- (17) Oil Pressure Relief Valve Spring Seat Pin
- (18) Oil Pressure Relief Valve Bore Plug
- (19) Oil Pump Driven Gear
- (20) Oil Pump Driven Gear Shaft
- (21) Oil Pump Housing
- (22) Oil Pump Drive Shaft
- (23) Oil Pump Drive Gear
- (24) Oil Pump Screen
- (25) Oil Pump Bolt
- (26) Oil Pressure Relief Valve Bore Plug
- (27) Oil Pressure Relief Valve
- (28) Oil Pressure Relief Valve Spring
- (29) Oil Pump Cover
- (30) Oil Pump
- (31) Oil Pump Drive Shaft
- (32) Oil Pan Bolt
- (33) Oil Pan Support Bracket
- (34) Oil Pan Support Bracket Bolt
- (35) Engine Oil Level Indicator Switch Bolt
- (36) Engine Oil Level Indicator Switch Clip
- (37) Engine Oil Level Indicator Switch
- (38) Engine Oil Level Indicator Switch Seal
- (39) Oil Pan Bolt
- (40) Oil Pan Drain Plug Seal
- (41) Oil Pan Drain Plug
- (42) Oil Pan Support Bracket
- (43) Oil Pan Support Bracket Bolt
- (44) Oil Pan
- (45) Oil Pan Gasket
- (46) Crankshaft Oil Deflector Nut
- (47) Crankshaft Oil Deflector
- (48) Crankshaft Bearing Cap Stud
- (49) Crankshaft No. 1 Bearing Cap
- (50) Crankshaft Lower No. 1 Bearing
- (51) Crankshaft Lower No. 2 Bearing
- (52) Crankshaft Lower No. 3 Bearing
- (53) Crankshaft Lower No. 4 Bearing
- (54) Crankshaft Bearing Cap
- (55) Crankshaft No. 4 Bearing Cap
- (56) Oil Pump Location Pin

(57) Crankshaft Bearing Cap Bolt

(58) Clutch Pilot Bearing