

Crate Engine Part-No. **12486041 GMPP 350HO**Date **March 14, 2008****Crate Engine Service Parts List****Partial Engine Components**

Part-No.	Description	Manufacturer	QTY
10105123	Block 4-bolt main, cast-iron, 1pc rear seal	General Motors	1
14088526	Crankshaft Nodular Iron	General Motors	1
10120990	Crankshaft Main Bearing std #1 thru 4	General Motors	4
12528826	Crankshaft Main Bearing std Rear	General Motors	1
12561388	Main Cap Bolt, Outer 7/16"-14 X 3-11/32"	General Motors	10
3877669	Main Cap Bolt, Inner 7/16"-14 X 2.06"	General Motors	6
12561389	Main Cap Stud, Inner (windage tray mtg.) 7/16"-14 X 3.3"	General Motors	3
10088158	Crankshaft Rear Oil Seal	General Motors	1
14088556	Rear Main Seal Retainer	General Motors	1
12555771	Rear Main Seal Retainer to Block Gasket	General Motors	1
10088158	Rear Main Seal Retainer Stud	General Motors	2
10243247	Crankshaft Front Oil Seal	General Motors	1
10108688	Connecting Rod	General Motors	8
12523924	Connecting Rod Bearing, std	General Motors	8
461372	Connecting Rod Bolt	General Motors	16
225854	Connecting Rod Nut	General Motors	16
12514101	Piston	General Motors	8
88894219	Piston Ring Set	General Motors	8
12453170	Camshaft Bearing std #1	General Motors	1
12453171	Camshaft Bearing std #2 and rear	General Motors	2
12453172	Camshaft Bearing #3 & 4	General Motors	2
10241154	Camshaft Plug Rear	General Motors	1
88891749	Freeze Plug	General Motors	8
1453658	Trans Locator Dowels 5/8" X 1-3/16"	General Motors	2
12554553	Timing Cover Dowels 1/4" X 5/8"	General Motors	2
14081701	Oil Gallery Plugs 1/4" NPT	General Motors	4
14084945	Coolant Drain Plug 1/4" NPT	General Motors	2
585927	Cylinder Head Locator Dowels 5/16" X 9/16"	General Motors	2

Valvetrain Components

Part-No.	Description	Manufacturer	QTY
24502476	Camshaft	General Motors	1
5232720	Lifters hydraulic flat	General Motors	16
14095256	Pushrods	General Motors	16
10089648	Rocker Arm, stamped steel, with ball & nut	General Motors	16
3814692	Rocker Arm Stud, press-in style	General Motors	16
12557390	Rocker Arm Nut	General Motors	16
10212811	Valve Spring	General Motors	16
24503856	Valve Spring Keepers	General Motors	32
10241744	Valve Spring Cap	General Motors	16
Not Utilized	Valve Spring Cap Rotator	Not Utilized	N/A
12564852	Valve Seal Exhaust	General Motors	8
10212810	Valve Seal Intake	General Motors	8
10241743	Valve Intake 1.94"	General Motors	8
12550909	Valve Exhaust 1.50"	General Motors	8
14087014	Timing Chain	General Motors	1
340235	Camshaft Timing Gear	General Motors	1
2436162	Camshaft Timing Gear Bolts w/Washers	General Motors	3
10128346	Crankshaft Timing Gear	General Motors	1
141215	Front Timing Cover (sheet metal w/o pointer)	Proform	1
141202	Timing Pointer, Chrome for 8" Dampner	Proform	1
10108435	Front Timing Cover Gasket	General Motors	1
11561767	Front Timing Cover Bolts	General Motors	10

Cylinder Head Components

Crate Engine Part-No. **12486041 GMPP 350HO**Date **March 14, 2008****Crate Engine Service Parts List**

Part-No.	Description	Manufacturer	QTY
12558060	Cylinder Head w/valves, cast-iron,Vortec	General Motors	2
10105117	Cylinder Head Gasket	General Motors	2
12495499	Cylinder Head Bolt Package	General Motors	1
12355350	Valve Cover 2 per package	General Motors	1
66035	Valve Cover Beather	Proform	1
141630	Oil Fill Cap	Proform	1
141615	PCV & Breather Grommet Kit	Proform	1
10046089	Valve Cover Gasket	General Motors	2
12338092	Valve Cover Bolts	General Motors	8
6487779	PCV Valve	General Motors	1

Oiling Components

Part-No.	Description	Manufacturer	QTY
*12555284	Oil Pump w/.620" dia. tube hole	General Motors	1
*3855152	Oil Pump Pick-up & Screen w/.620" tube	General Motors	1
*93442037	Oil Pump w/.742" dia. tube hole	General Motors	1
*12550042	Oil Pump Pick-up & Screen w/.742" tube	General Motors	1
10046007	Oil Pump Bolt	General Motors	1
3998287	Oil Pump Drive Shaft	General Motors	1
3764554	Oil Pump Drive Shaft Retainer	General Motors	1
25013454	Oil Filter	General Motors	1
3952301	Oil Filter Adaptor	General Motors	1
3951644	Oil Filter Adaptor Bolts	General Motors	2
Not Utilized	Oil Filter Gasket	Not Utilized	
Not Utilized	Oil Filter Pressure Valve	Not Utilized	
12557558	Oil Pan 5QT	General Motors	1
12554816	Windage Tray	General Motors	1
3921988	Oil Pan Drain Plug	General Motors	1
14090908	Oil Pan Drain Plug Gasket	General Motors	1
10108676	Oil Pan Gasket	General Motors	1
12553059	Oil Pan Reinforment RH	General Motors	1
12553058	Oil Pan Reinforment LH	General Motors	1
9440033	Oil Pan Bolt	General Motors	12
9424877	Oil Pan Stud	General Motors	2
12338130	Oil Pan Nut	General Motors	4
10077153	Oil Dipstick	General Motors	1
3951600	Oil Dipstick Tube Lower	General Motors	1
10055724	Oil Dipstick Tube Upper	General Motors	1
Not Utilized	Oil Dipstick Plug	Not Utilized	

* Special Note: Both the .620" and .742" are used depending on availability at the time of engine production.

Measure pick-up tube diameter before replacing oil pump or pick-up tube and screen.

Cooling Components

Part-No.	Description	Manufacturer	QTY
Not Included	Water Pump	Not Included	
Not Included	Water Pump Gasket	Not Included	
Not Included	Water Pump Bolt	Not Included	
Not Included	Thermostat	Not Included	
Not Included	Thermostat Housing	Not Included	
Not Included	Thermostat Gasket	Not Included	
Not Included	Thermostat Housing Bolt	Not Included	

Crate Engine Part-No. **12486041 GMPP 350HO**Date **March 14, 2008**

Crate Engine Service Parts List

Fuel Delivery Components

Part-No.	Description	Manufacturer	QTY
<i>Not Included</i>	Fuel Pump	<i>Not Included</i>	
<i>Not Included</i>	Fuel Pump Push Rod	<i>Not Included</i>	
<i>Not Included</i>	Fuel Pump Adaptor Plate	<i>Not Included</i>	
<i>Not Included</i>	F/P Adapter Plate Gasket	<i>Not Included</i>	
<i>Not Included</i>	F/P Adapter Plate Bolt	<i>Not Included</i>	
<i>Not Included</i>	Fuel Pump to Block Bolt	<i>Not Included</i>	
<i>Not Included</i>	Fuel Line Pump to Carb	<i>Not Included</i>	
<i>Not Included</i>	Carburetor	<i>Not Included</i>	
<i>Not Included</i>	Air Cleaner	<i>Not Included</i>	

Intake Manifold Components

Part-No.	Description	Manufacturer	QTY
<i>Not Included</i>	Intake Manifold	<i>Not Included</i>	
<i>Not Included</i>	Intake Gasket	<i>Not Included</i>	
<i>Not Included</i>	Intake Manifold Bolt	<i>Not Included</i>	

Ignition Components

Part-No.	Description	Manufacturer	QTY
<i>Not Included</i>	Distributor Assembly	<i>Not Included</i>	
<i>Not Included</i>	Distributor Cap	<i>Not Included</i>	
<i>Not Included</i>	Distributor Rotor	<i>Not Included</i>	
<i>Not Included</i>	Distributor Hold Down	<i>Not Included</i>	
<i>Not Included</i>	Distributor Gasket	<i>Not Included</i>	
<i>Not Included</i>	Ignition Coil	<i>Not Included</i>	
<i>Not Included</i>	Spark Plug Wire Set	<i>Not Included</i>	
<i>Not Included</i>	Spark Plug Wire Looms	<i>Not Included</i>	
<i>Not Included</i>	Spark Plugs	<i>Not Included</i>	

Misc. Components

Part-No.	Description	Manufacturer	QTY
<i>Not Included</i>	Flywheel	<i>Not Included</i>	
<i>Not Included</i>	Flywheel Bolts	<i>Not Included</i>	
<i>Not Included</i>	Harmonic Balancer	<i>Not Included</i>	
<i>Not Included</i>	Harmonic Balancer Bolt	<i>Not Included</i>	
<i>Not Included</i>	Harmonic Balancer Washer	<i>Not Included</i>	
1006751	Harmonic Balancer Woodruff Key	General Motors	1
<i>Not Included</i>	Starter	<i>Not Included</i>	
<i>Not Included</i>	Starter Bolt, Long 3/8"-16 X 4-21/64"	<i>Not Included</i>	
<i>Not Included</i>	Starter Bolt, Short 3/8"-16 X 1-27/32"	<i>Not Included</i>	