



"World-Class Powertrains"

GM engines can be found in all types of vehicles around the globe. From the Ecotec four-cylinder, with its high power-to-displacement ratio and fuel efficient operation, to the all-new 3.5L and 3.9L V-6s for the Chevrolet Impala and Monte Carlo (the first cam-in-block engines with variable valve timing), GM Powertrain delivers better economy and performance in 2007.

Full-size pickup truck hybrid technology for the Chevy Silverado and GMC Sierra is available nationwide in 2007 and improves economy 10 percent on average compared to the standard gasoline-powered Vortec 5300 V-8, DOD for the Monte Carlo and Impala represents up to a 12-percent improvement in V-8 fuel economy, while still delivering more than 300 horsepower. And, the new 3.5L V-6 engines for Monte Carlo and Impala are E85 capable, allowing them to operate on fuel that is up to 85 percent ethanol alcohol. GM has the largest number of E85-capable vehicles in the United States, and GM Powertrain continues to supply compressed natural gas (CNG) engines in commercial fleets.

The 2007 lineup reinforces GM Powertrain's commitment to alternative fuels and environmentally friendly products, as well as to maximum powertrain choice for new-vehicle buyers.

To find out more about our offerings on [GM Powertrain](#)

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Gen III & Gen IV Small Blocks

Part Number	Description	Liters	CID	HP	TQ	Bore	Stroke
19165628	LS327/327	5.3	327	327	347	3.780"	3.622"
17801267	LS1	5.7	346	350	365	3.898"	3.622"
17801268	LS6	5.7	346	405	395	3.898"	3.622"
19156262	LQ9	6.0	364	345	380	4.000"	3.622"
*19165484	LS2	6.0	364	400	400	4.000"	3.622"
*17802134	LS364/440	6.0	364	440	404	4.000"	3.622"
12611022	L99	6.2	376	430	424	4.065"	3.622"
19171224	LS376/485	6.2	376	485	475	4.065"	3.622"
19171225	LS376/515	6.2	376	515	469	4.065"	3.622"
19201992	LS3	6.2	376	430	424	4.065"	3.622"
19211978	LSA	6.2	376	556	551	4.065"	3.622"
19201990	LS9	6.2	376	638	604	4.065"	3.622"
19171821	CT525	6.2	376	525	471	4.065"	3.622"
19165058	LS7	7.0	427	505	470	4.125"	4.000"

\* Discontinued

LS Compatibility - Heads vs. Intakes

Intakes			Heads										
Engine	Part #	Manifold	Port Type	12559855 LS1	12564824 LS6/LS2	12562319 LQ9	88958665 CNC LS6	88958622 CNC LS6	12562713 L76/L92	12615879 LS3	88958698 CNC L92		
LS1/LS6	88894339	EFI	Cathedral	Yes	Yes	Yes	Yes	Yes	No	No	No		
LS2/LQ4	88958675	4-bbl	Cathedral	Yes	Yes	Yes	Yes	Yes	No	No	No		
LQ4/LQ9	N/A	EFI	Cathedral	Yes	Yes	Yes	Yes	Yes	No	No	No		
L76	12590123	EFI	L92	No	No	No	No	No	Yes	Yes	Yes		
LS3	12610434	EFI	L92	No	No	No	No	No	Yes	Yes	Yes		
L76/L92/LS3	25534416	4-bbl w/inj	L92	No	No	No	No	No	Yes	Yes	Yes		
L76/L92/LS3	25534401	4-bbl	L92	No	No	No	No	No	Yes	Yes	Yes		
L92/LS3	19166952	LSX 4bbl	L92	No	No	No	No	No	Yes	Yes	Yes		
L92/LS3	19172322	LSX 4bbl	L92	No	No	No	No	No	Yes	Yes	Yes		
LS7 '05-'08	12568976	EFI	LS7	No	No	No	No	No	No	No	No		
LS7 '09	12610435	EFI	LS7	No	No	No	No	No	No	No	No		
LS7	25534413	4-bbl w/inj	LS7	No	No	No	No	No	No	No	No		

LS7	25534394 4-bbl	LS7	No	No	No	No	No	No	No	No
LSX 454	19166948 LSX 4bbl	LS7	No	No	No	No	No	No	No	No
	19166950 LSX 4bbl	LSX-CT	No	No	No	No	No	No	No	No
	19166954 LSX 4bbl	LSX-DR	No	No	No	No	No	No	No	No

No=not compatible Yes=direct compatibility

Intakes

Heads

Engine	Part #	Manifold	Port Type	19201807 LSX-L92	19201805 LSX-LS3	19213963 LSX-LS9	12578450 CNC LS7	19201806 LSX-LS7	19166981 LSX-CT	19166979 LSX-DR	12480090 C5R
LS1/LS6	88894339	EFI	Cathedral	No	No	No	No	No	No	No	No
LS2/LQ4	88958675	4-bbl	Cathedral	No	No	No	No	No	No	No	No
LQ4/LQ9	N/A	EFI	Cathedral	Yes	Yes	Yes	No	No	No	No	No
L76	12590123	EFI	L92	Yes	Yes	Yes	No	No	No	No	No
LS3	12610434	EFI	L92	Yes	Yes	Yes	No	No	No	No	No
L76/L92/LS3	25534416	4-bbl w/inj	L92	Yes	Yes	Yes	No	No	No	No	No
L76/L92/LS3	25534401	4-bbl	L92	Yes	Yes	Yes	No	No	No	No	No
L92/LS3	19166952	LSX 4bbl	L92	Yes	Yes	Yes	No	No	No	No	No
L92/LS3	19172322	LSX 4bbl	L92	Yes	Yes	Yes	No	No	No	No	No
LS7 '05-'08	12568976	EFI	LS7	No	No	No	Yes	Yes	No	No	No
LS7 '09	12610435	EFI	LS7	No	No	No	Yes	Yes	No	No	No
LS7	25534413	4-bbl w/inj	LS7	No	No	No	Yes	Yes	No	No	No
LS7	25534394	4-bbl	LS7	No	No	No	Yes	Yes	No	No	No
LSX 454	19166948	LSX 4bbl	LS7	No	No	No	Yes	Yes	No	No	No
	19166950	LSX 4bbl	LSX-CT	No	No	No	No	No	Yes	Yes	No
	19166954	LSX 4bbl	LSX-DR	No	No	No	No	No	Yes	Yes	No

No=not compatible Yes=direct compatibility

LS Compatibility - Heads vs. Blocks

Blocks			Heads								
Engine	Part #	Bore Size	12559855 LS1	12564824 LS6/LS2	12562319 LQ9	88958665 CNC LS6	88958622 CNC LS6	12562713 L76/L92	12598594 LS3	88958698 CNC L92	
LS1/LS6	12561166	3.89"	Yes	Yes	Yes	Yes	Yes	No	No	No	
LQ4/LQ9	12572808	4.00"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LS2/L76	12568950	4.00"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
L92/LS3	12584727	4.06"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LSA/LS9		4.06"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LS7	17802854	4.125"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LS7*	25534427	4.125"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
C5R	12480030	4.12"-4.16"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
LSX S/B	19213964	3.89"	Yes	Yes	Yes	Yes	Yes	*	*	*	
LSX	19166454	3.99"-4.25"*	*	*	*	*	*	*	*	*	
LSX TD	19166097	3.99"-4.25"*	*	*	*	*	*	*	*	*	

No=not compatible Yes=direct compatibility \*=4.00 min Bore \*\*=4.125" min Bore \*\*\*=4.100" min Bore

Blocks			Heads								
Engine	Part #	Bore Size	19201807 LSX-L92	19201805 LSX-LS3	19213963 LSX-LS9	12578450 CNC LS7	19201806 LSX-LS7	19166981 LSX-CT	19166979 LSX-DR	12480090 C5R	
LS1/LS6	12561166	3.89"	Yes	No	No	No	No	No	No	No	
LQ4/LQ9	12572808	4.00"	Yes	Yes	Yes	No	No	No	No	No	
LS2/L76	12568950	4.00"	Yes	Yes	Yes	No	No	No	No	No	
L92/LS3	12584727	4.06"	Yes	Yes	Yes	No	No	No	No	No	

LSA/LS9	4.06"	Yes	Yes	Yes	No	No	No	No	No
LS7	17802854 4.125"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LS7*	25534427 4.125"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C5R	12480030 4.12"-4.16"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LSX S/B	19213964 3.89"	**	**	**	**	***	**	**	**
LSX	19166454 3.99"-4.25"	**	**	**	**	***	**	**	**
LSX TD	19166097 3.99"-4.25"	**	**	**	**	***	**	**	**

No=not compatible Yes=direct compatibility \* =4.00 min Bore \*\* =4.125" min Bore \*\*\* =4.100" min Bore

### LS Series Blocks

Origin	Part #	Material	Deck Height	Bore	Main Bolt	Cap Material	Crank Jrnl Dia	Oiling	Rr Main Seal	Max Stroke	Max HP	Usage
LS1/LS6	12561166	Alum	9.240	3.89"	6	Iron	Std LS 2.56	Wet	1 Pc	4.00"	450	Street
LS2	12568950	Alum	9.240	4.00"	6	Iron	Std LS 2.56	Wet	1 Pc	4.00"	450	Street
L92/LS3	12584727	Alum	9.240	4.065"	6	Iron	Std LS 2.56	Wet	1 Pc	4.00"	525	Street
LS7	17802854	Alum	9.240	4.125"	6	PM	Std LS 2.56	Dry	1 Pc	4.10"	550	Street
LS7	25534427	Alum	9.240	4.125"	6	PM	Std LS 2.56	Dry	1 Pc	4.10"	550	Street
C5R	12480030	Alum	9.240	4.117"-4.160"	6	8620 Steel	Std LS 2.56	Wet	1 Pc	4.10"	900	Pro
LQ9	12572808	Iron	9.240	4.00"	6	Iron	Std LS 2.56	Wet	1 Pc	4.00"	500	Street
LSX	19166454	Iron	9.260	3.99"-4.250"	6	1045 Steel	Std LS 2.56	Wet	1 Pc	4.25"	1500+	Street/Pro
LSX	19166097	Iron	9.700	3.99"-4.250"	6	1045 Steel	Std LS 2.56	Wet	1 Pc	4.50"	1500+	Street/Pro

### LS Series Heads

Part #	Origin	Material	Port Size	Valve Angle	Chamber CC's	Int Valves	Exh Valves	Rocker Port Type	Stud	Notes
12564825	Bare LS2 & LS6	Alum	210	15 degree	64.5	2.00	1.55	Cathedral	Bolt	Bare LS2/LS6
12564824	Stock LS6	Alum	210	15 degree	64.5	2.00	1.55	Cathedral	Bolt	Hollow/Sodium filled Valves
<u>12576063</u>	Stock LS2	Alum	210	15 degree	64.5	2.00	1.55	Cathedral	Bolt	Solid stem valves
88958622	CNC LS6	Alum	250	15 degree	61.9	2.00	1.55	Cathedral	Bolt	11.2 compression
88958665	CNC LS6	Alum	250	15 degree	65	2.00	1.55	Cathedral	Bolt	10.5 compression
88958765	CNC LS2	Alum	250	15 degree	64.5	2.00	1.55	Cathedral	Bolt	Solid stem valves
12582714	Bare L76/L92	Alum	260	15 degree	70	2.16	1.59	L92	Bolt	Solid stem valves
12582713	Stock L76/L92	Alum	260	15 degree	70	2.16	1.59	L92	Bolt	Solid stem valves
88958698	CNC L76/L92	Alum	279	15 degree	68	2.16	1.59	L92	Bolt	Solid stem valves
12598594	Stock LS3	Alum	260	15 degree	70	2.16	1.59	L92	Bolt	Hollow/Sodium filled Valves
12578450	Bare LS7	Alum	270	12 degree	70	2.20	1.61	LS7	Bolt	Bare LS7
12578449	Stock LS7	Alum	270	12 degree	70	2.20	1.61	LS7	Bolt	Titanium/sodium filled valves
25534428	As-cast LS7	Alum	-	12 degree	66	2.20	1.61	LS7	Bolt	Titanium/sodium filled valves
12480005 *	C5R 1st design	Alum	210	11 degree	38	2.18	1.63	C5R	Shaft	As cast-no seats, guides *
12480090	C5R 2nd design	Alum	210	11 degree	30	2.18	1.63	C5R	Shaft	As cast-no seats, guides
19201807	LSX-L92 Small Bore	Alum	260	15 degree	70	2.00	1.55	L92	Bolt	Hollow/Sodium filled Valves
19201805	LSX-LS3	Alum	260	15 degree	70	2.16	1.59	L92	Bolt	Hollow/Sodium filled Valves
19201806	LSX-LS7	Alum	270	12 degree	70	2.20	1.61	LS7	Bolt	Hollow/Sodium filled Valves
19166981	LSX-CT	Alum	302	11 degree	45	2.20	1.61	LSX-CT/DR	Shaft	CNC machined bare head
19166979	LSX-DR	Alum	313	11 degree	50	2.25-2.28	1.6-1.65	LSX-CT/DR	Shaft	CNC machined bare head

\*Discontinued

LS Series Head Gaskets & Bolts

Part #	Engine	Thickness	Max Bore	Description
12589226	LS1 & LS6	.051"	3.92"	Standard LS Bolt Pattern
12589227	LS2	.051"	4.02"	Standard LS Bolt Pattern
12610046	LS3 & L92	.051"	4.080"	Standard LS Bolt Pattern
12582179	LS7	.051"	4.140"	Standard LS Bolt Pattern
19170418	LSX	.051"	4.100"	Standard LS & 6-Bolt Pattern Blocks & Heads
19170419	LSX	.051"	4.200"	Standard LS & 6-Bolt Pattern Blocks & Heads
19170420	LSX	.051"	4.250"	Standard LS & 6-Bolt Pattern Blocks & Heads
<a href="#">17800568</a>	1/2004 & up LS Engines	Includes 15 bolts		5mm shorter than 1st Design
12498545	97-1/04 LS Engines	Includes 15 bolts		

LS Series Camshafts

Part #	Description	Duration @ .050" lift	Max Lift (In) (1.7 rocker)	Lobe Separation	Technical Notes
<a href="#">12565308</a>	2002-2004 LS6 Cam	I:204 E:218	I:550 E:550	117.5	Cam requires valve spring P/N 12586484
12560950	2001 LS6 Cam	I:207 E:217	I:525 E:525	116	Cam requires valve spring P/N 12586484
<a href="#">12480110</a>	ASA Cam	I:226 E:236	I:525 E:525	110	Cam requires valve spring P/N 12586484 "ASA" cam for off-highway use
<a href="#">12480033</a>	Hot Cam Kit	I:219 E:228	I:525 E:525	112	Kit includes 16 LS6 Valve Springs P/N 12565117 and retainers
<a href="#">88958733</a>	LS Hot Cam	I:219 E:228	I:525 E:525	112	Cam only for Hot Cam Kit 12480033

19166972	LSX-454 Cam	I:236 E:246	I:600 E:600	110	Max lift with 1.8 rockers .635/.635
<u>88958606</u>	Showroom Stock cam	I:239 E:251	I:570 E:570 (1.8 Rocker)	106.5	Showroom Stock racing design, requires hollow intake valves #12565311, hollow exhaust valves #12565312, valve springs #12586484, and aftermarket notched pistons or machined stock pistons
12571251	LS7	I:211 E:230	I:591 E:591	121	Stock LS7 camshaft
12561721	LS1 2001-2004 LQ9 2002-2006	I:196 E:201	I:467 E:479 (1.7 Rocker)	116	Stock cam for 2002-2006 LQ9 and 2001-2004 LS1
<u>88958722</u>	LS Stage 2 Cam	I:227 E:239	I:551 E:551 (1.7 Rocker)	108	Max lift with 1.8 rockers .583/.583
<u>88958723</u>	LS Stage 3 Cam	I:233 E:276	I:595 E:595	107	Max lift with 1.8 rockers .630/.630

LS Series Pistons

Part #	Engine Size	Bore Size	Oversize	Rod Length	Pin Type	Comp Ratio	With Chamber	Description
88984245	5.7L	3.898"	-	6.098"	Pressed	-	65.00	Hypereutectic LS1 & LS6 replacement
88984246	5.7L	3.898"	+0.010"	6.098"	Pressed	-	65.00	Hypereutectic LS1 & LS6 replacement
89017478	6.0L	4.000"	-	6.098"	Floated	10.90	65.00	Hypereutectic LS2 & LQ9 replacement
89017479	6.0L	4.000"	+0.020"	6.098"	Floated	10.90	65.00	Hypereutectic LS2 & LQ9 replacement
12602624	7.0L	4.125"	-	6.067"	Floated	11.00	70.00	Hypereutectic LS7 replacement includes Titanium Rod
89018171	7.0L	4.125"	+0.020"	6.067"	Floated	11.00	70.00	Hypereutectic LS7 replacement
19166957	LSX376	4.065"		6.098"		Flat	-	4032 Forged Aluminum -Piston comes w/ rings
19166958	LSX454	4.185"		LSX rod	0.866	Dished	-	4032 Forged Aluminum -

LS Rings

Part #	Bore Size	Oversize	Ring Thickness	Description
12499234	3.898"	-	1.5, 1.5, 2.5mm	Set of 8 ring packs, standard size for LS1 & LS6
12499236	4.000"	-	1.5, 1.5, 2.5mm	Set of 8 ring packs, standard size for 1999-2005 LQ4 & LQ9
12499235	3.780"	-	1.5, 1.5, 2.5mm	Set of 8 ring packs, standard size for 1999-2005 5.3L

89017484	4.000"	-	1.5, 1.5, 2.5mm	Production ring pack for 2005-2006 LS2 & 2006 L76
88894243	4.000"	-	1.5, 1.5, 2.5mm	Production ring pack for 2005-2006 LQ9
89017776	4.125"	-	1.2, 1.2, 2.0mm	Production ring pack for 2006 LS7
89017777	4.125"	+0.020"	1.2, 1.2, 2.0mm	Oversize LS7 ring pack

LS Series Push Rods

Part #	Engine	Material	Diameter	Length	Description
12593344	LS1, LS2, LS3, LS6 & L92	1010 Steel	5/16"	7.325"	Production pushrod
12593344	LS7	1010 Steel	3/8"	7.750"	Production pushrod

LS Series Valves

Part #	Engine	Position	Valve Size	Stem Dia	
12565311	LS6	Intake	2.00"	8mm	Hollow Stem
12563063	LS2	Intake	2.00"	8mm	Solid Stem
12590773	L76 & L92	Intake	2.165"	8mm	Solid Stem
12605223	LSA	Intake	2.165"	8mm	Solid Stem
12569427	LS3	Intake	2.165"	8mm	Hollow Stem
12605524	LS9	Intake	2.165"	8mm	Titanium
12591644	LS7	Intake	2.20"	8mm	Titanium
12565312	LS6	Exhaust	1.50"	8mm	Sodium Filled

12563064	LS2	Exhaust	1.50"	8mm	Solid Stem
12582719	L76, L92 & LS3	Exhaust	1.59"	8mm	Solid Stem
12605525	LS9	Exhaust	1.59"	8mm	Sodium Filled
12578455	LS7	Exhaust	1.61"	8mm	Sodium Filled
<u>17801930</u>	LS2 & LS6	(4)Intake & (4)Exhaust	1 -2.00" E-1.50"	8mm	LS6 Hollow & Sodium Valves

LS Series Valve Springs						
Part #	Engine	Style	Installed Height	Open Pressure	Max Lift	Description
<u>12586484</u>	Standard LS2, LS6 & LS6	Beehive Style	1.800" Installed @ 90# pressure	1.250" @ 295 # pressure	.570"	Individual
<u>12499224</u>	Standard LS2, LS6 & LS6	Beehive Style	1.800" Installed @ 90# pressure	1.250" @ 295 # pressure	.570"	Set of 16 P/N 12586484
12589774	Standard L76/L92 Springs	Beehive Style	1.800" Installed @ 90# pressure	1.300" @ 264# pressure	.530"	
12578457	LS7	Beehive Style	1.960" Installed @ 101# pressure	1.368" @ 310# pressure	.600"	

LS Timing Components					
Part #	Engine	Part	Oil Pump System	Description	
12588670	LS2	Timing Chain Dampner	Standard	Will not Fil LS1 & LS6 fitted with P/N 88958607	
12581276	LS7	Timing Chain Dampner	LS7 2-stage	1.1mm thinnner than 12588670	
12576407	LS1, LS2 & LS6	1X Camshaft Gear	-	3-bolt design; uses (3) bolts P/N 12556127	
12586481	LS1, LS2 & LS6	4X Camshaft Gear	-	3-bolt design; uses (3) bolts P/N 12556127	
12585994	L92 - Combination Cam gear and VVT activator	4X Camshaft Gear	-	1-bolt design; use P/N 12588151	

12556582	All Non LS7	Crankshaft Gear	Standard	Works with 12576407 and 12586481 cam sprockets
12581278	LS7	Crankshaft Gear	LS7 2-stage	Works with 12576407 and 12586481 cam sprockets
12586482	All LS	Timing Chain	-	Fits all LS 1997-2008
12585997	L92 & LS3	Timing Chain Tensioner	-	Includes retainer and bolts
12556127	LS1,LS2,LS6 & LS7	Camshaft Gear bolts	-	For use with 3-bolt (non V.V.T.) cams
12588151	L92	Camshaft Gear bolts	-	Combination bolt and valve for variable valve timing - use with 12585994 Camshaft Gear

LS Crankshafts

Part #	Application	Material	Reluctor Wheel	Stroke	Description
89017522	97-04 LS1/LS6 & 2005 LS2	Nodular Cast	24X	3.622"	Balanced for 3.898" bore engines
12588612	2006 and up LS2	Nodular Cast	58X	3.622"	Balanced for 4.00" bore engines
12568820	LS7	Forged Steel	58X	4.00"	Rebalancing required if LS7 rods and pistons are not used. 2-stage Oil pump
19171619	LS	Forged Steel	58X	4.00"	Rebalancing required if LS7 rods and pistons are not used. Standard wet sump Oil pump
12559353	1997-2005	-	24X	-	1997-2005 Reluctor Wheel
12586768	2006 and up	-	58X	-	2006 and newer Reluctor Wheel
89060436	All LS	Rear Main Seal	-	-	Rear Main Seal for all LS engines

  

LSX Crankshafts					
Part #	Note	Material	Reluctor Wheel	Stroke	Description
19170388	8-bolt flywheel or flexplate required	4340 premium steel	58X	3.622"	Requires Balancing
	8-bolt flywheel or flexplate	4340 premium			



19170389	required 8-bolt flywheel or flexplate	steel 4340 premium	58X	3.750"	Requires Balancing
19170390	required 8-bolt flywheel or flexplate	steel 4340 premium	58X	4.00"	Requires Balancing
19170391	required	steel	58X	4.125"	Requires Balancing

LS Connecting Rods

Part #	Application	Material	Piston Fit	Length	Description
12568734	1997-2004 LS1 & LS6	PM	Press Float - Bronze	6.098"	Sold Individually
12617570	2005-2008 LS2 & LS3	PM	Bushing Float - Bronze	6.098"	Sold Individually
12586258	LS7	Titanium	Bushing Float - Bronze	6.067"	Sold Individually
19166964	LSX I-beam	4340 Forged Steel	Bushing Float - Bronze	6.000"	Set of 8, weight matched - NOT compatible with production pistons-for use with LSX Pistons INCLUDES 7/16" 12-point SAE 8740 rod bolts
19166965	LSX I-beam	4340 Forged Steel	Bushing Float - Bronze	6.100"	Set of 8, weight matched - NOT compatible with production pistons-for use with LSX Pistons INCLUDES 7/16" 12-point SAE 8740 rod bolts
19166966	LSX I-beam	4340 Forged Steel	Bushing Float - Bronze	6.125"	Set of 8, weight matched - NOT compatible with production pistons-for use with LSX Pistons INCLUDES 7/16" 12-point SAE 8740 rod bolts
19166967	LSX I-beam	4340 Forged Steel	Bushing Float - Bronze	6.150"	Set of 8, weight matched - NOT compatible with production pistons-for use with LSX Pistons INCLUDES 7/16" 12-point SAE 8740 rod bolts
19166968	LSX I-beam	4340 Forged Steel	Bushing Float - Bronze	6.200"	Set of 8, weight matched - NOT compatible with production pistons-for use with LSX Pistons INCLUDES 7/16" 12-point SAE 8740 rod bolts
11600158 Rod Bolt	LS6	-	-	-	Recommended in Gen III performance engines-Bolts have greater strength than pre-2000 rod bolts- 1 per package
11609825 Rod bolt	LS7	-	-	-	Required for LS7 builds-bolts are stretch to yield and can not be reused - 1 bolt per package
89017573 Rod Bearing	All except LS7/LS9	-	-	-	Connecting Rod Bearing - (1) per rod required
89017811 Rod Bearing	LS7/LS9	-	-	-	Connecting Rod Bearing - (1) per rod required