
MELLING
PERFORMANCE
GM
SBC
Small Block Chevy
PERFORMANCE
PARTS GUIDE

GM Small Block Chevy Parts Guide

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This catalog may contain part numbers that are both new, no longer available or obsolete. This is done intentionally to support new products we are adding and to also support customers who may still need important information for performance products we no longer catalog.

Visit our online catalog at www.melling.com or contact Melling Engine Parts directly for the most current part status.

High Performance Oil Pumps

Features / Specifications								
Part #	**Upgrade for Stock**	**Manuf. Volume**	**Manuf. Pressure**	**Optional Spring 1**	**Optional Spring 2**	**Gear Type (Billet Steel)**	**Housing Material**	**Screen Information**
10050ST-700CT	M-55HV	25% Higher	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 7"
10050ST-750SS	M-55HV	25% Higher	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 7½"
10050ST-825SS	M-55HV	25% Higher	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 8¼"
10055ST-700CT	M-55	Standard	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 7"
10055ST-750SS	M-55	Standard	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 7½"
10055ST-825SS	M-55	Standard	(Red) 70 PSI	(Pink) 60 PSI	(Orange) 80 PSI	"Shark Tooth"	Billet Aluminum	Screen Included 8¼"
10550ST	M-55HV	25% Higher	(Green) 70 PSI	(Yellow) 58 PSI	N/A	"Shark Tooth"	Cast Iron	5/8" Press In
10551ST	M155HV	25% Higher	(Green) 70 PSI	(Yellow) 58 PSI	N/A	"Shark Tooth"	Cast Iron	3/4" Press In
10552ST	N/A	10% Higher	(Pink) 70 PSI	(Yellow) 58 PSI	(Green) 80 PSI	"Shark Tooth"	Cast Iron	3/4" Bolt on/Press In
10553ST	M-55, M-55A	Standard	(Green) 70 PSI	(Yellow) 58 PSI	N/A	"Shark Tooth"	Cast Iron	5/8" Press In
10554ST	M155	Standard	(Green) 70 PSI	(Yellow) 58 PSI	N/A	"Shark Tooth"	Cast Iron	3/4" Press In
10555ST	N/A	25% Higher	(Pink) 70 PSI	(Yellow) 58 PSI	(Green) 80 PSI	"Shark Tooth"	Cast Iron	3/4" Bolt on/Press In
10990	M-99HVS	25% Higher	(Pink) 70 PSI	(Plain) 52 PSI	N/A	Spur	Cast Iron	3/4" Press In
10990C	M-99HVS	25% Higher	(Pink) 70 PSI	(Plain) 52 PSI	N/A	Spur	Cast Iron	3/4" Press In

All oil pumps shown above excluding the 10090C are manufactured for "Street and Strip" applications. All oil pumps noted with a "CT" suffix are manufactured for circle track racing.

Melling billet aluminum high performance oil pumps feature a lightweight billet 6061-T6 aluminum housing & cover with a durable anodized hardcoat. Pump shafts are extended into the cover for additional support. The Melling exclusive billet steel "Shark Tooth" helical gears reduce pressure ripple, reduce torque ripple, improve distributor operation and reduce shaft and gear wear. Also includes the 12550 chrome-moly steel drive shaft and steel guide. The oil pickup screen is integrated into the pump body and features a stainless steel mesh. These pumps feature multiple pressure settings and a supercharged inlet for improved performance at high RPM's. (265 - 400)



10550ST-825SS Billet Aluminum
(Street & Strip)



The "traditional" Melling cast iron high performance oil pumps feature a CNC machined and phosphate coated housing & cover, optional pressure spring settings and screw in pressure relief valves depending on the pump that is selected. Also included are the Melling exclusive billet steel "Shark Tooth" helical gears reduce pressure ripple, reduce torque ripple, improve distributor operation and reduce shaft and gear wear. These pumps also feature the 12550 chrome-moly steel drive shaft including a pinned steel guide. (265-400)

10552ST Cast Iron
(High Volume Pump)
Street & Strip

10553ST Cast Iron
(High Pressure / Std Volume Pump)
Street & Strip



High Performance Oil Pump drive Shaft

Part #	Material	Features / Specifications	Fitment
12550	High Strength Chrome-Moly Steel	Improved steel drive shaft retainer locks onto oil pump drive shaft	265-400



High Performance Oil Pump Screens

Features / Specifications								
Part #	**Material**	**Tube I.D.**	**Tube Length**	**Includes Gasket/Seal**	**Mount Hole Qty**	**Mounting type / Hardware Included**	**Maximum Screen Adjustment**	**Oil Pan Depth**
12557	Galvanized Steel	0.750"	5.000"	Yes	2	Bolt On / No	0.250"	7.00"
12558	Galvanized Steel	0.750"	4.500"	Yes	2	Bolt On / No	0.250"	7.50"
12559	Galvanized Steel	0.750"	4.750"	Yes	2	Bolt On / No	0.250"	8.00"
12564	Galvanized Steel	0.750"	8.500"	Yes	2	Bolt On / No	0.250"	7.00"
12566	Galvanized Steel	0.750"	5.500"	Yes	2	Bolt On / No	0.250"	7.50"

NOTE: Installation may require the use of Melling M-55085 Screen Mounting Kit (265-400)



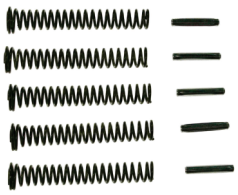
12559



12566

High Performance Oil Pressure Relief Valve Spring

Features / Specifications					
Part #	**Material**	**PSI**	**Color**	**Contains**	**Fitment**
55049	Steel	49.0	Green	(5) M-29009-A Springs / (5) M15509 Spring Pins	265-400
55058	Steel	58.0	Yellow	(5) 14024240 Springs / (5) M15509 Spring Pins	265-400
55070	Steel	70.0	Pink	(5) M-98015 Springs / (5) M15509 Spring Pins	265-400
55078	Steel	78.0	Green	(5) M-46557 Springs / (5) M15509 Spring Pins	265-400
5556F	Steel	50.0 - 60.0	Plain	(5) M-55097 Springs / (Spring Pin Not Required)	265-400
5570F	Steel	70.0	Pink	(5) M-55096 Springs / (Spring Pin Not Required)	265-400



High Performance Oil Pump / Screen Reference Chart

Part No.	Volume Increase	Coatings	Shaft Support	Screw-in Valve Plug	Bolt-on Screen	Anti-Cavitation Grooves	Associated Screen No.	Tube Dia. (Inches)	Pan Depth Min	Pan Depth Max
10550ST	25%	Mag Phosphate					**55-S**	5/8	7”	7-1/8”
							55-S1	5/8	6-7/8”	7”
							55-S2	5/8	7-3/4”	7-7/8”
							55-S3	5/8	7”	7-1/8”
							210S	5/8	9-3/4”	9-7/8”
							220S	5/8	7-1/2”	7-5/8”
10551ST	25%	Mag Phosphate					**155S**	3/4	7-1/4”	7-3/8”
							211S	3/4	9-7/8”	10”
							213S	3/4	8-1/8”	8-1/4”
							221S	3/4	7-3/8”	7-1/2”
							243S	3/4	7-1/2”	7-1/2”
							244S	3/4	7-1/2”	7-5/8”
							245S	3/4	9-7/8”	10”
							251S	3/4	7-1/2”	7-5/8”
							258S	3/4	8”	8-1/8”
							259S	3/4	9-3/8”	9-1/2”
10552ST	10%	Mag Phosphate	X	X	X		**155S**	3/4	7-3/8”	7-1/2”
10555ST	25%	Mag Phosphate	X	X	X		**213S**	3/4	8-5/8”	8-3/4”
							243S	3/4	7-5/8”	7-5/8”
							244S	3/4	7-7/8”	8”
							245S	3/4	10”	10-1/8”
							251S	3/4	7-5/8”	7-3/4”
							258S	3/4	8-1/4”	8-3/8”
							259S	3/4	9-5/8”	9-3/4”
							12557	3/4	6-3/4”	7-1/4”*
							12558	3/4	7-1/4”	7-1/2”*
							12559	3/4	8”	8-1/4”*
							12564	3/4	6-7/8”	7”**
							12566	3/4	7-3/8”	7-1/2”**
10553ST	0%	Mag Phosphate					**55-S**	5/8	6-3/4”	6-7/8”
							55-S1	5/8	6-5/8”	6-3/4”
							55-S2	5/8	7-1/2”	7-5/8”
							55-S3	5/8	6-3/4”	6-7/8”
							210S	5/8	9-1/4”	9-3/8”
							220S	5/8	7-1/4”	7-3/8”
10554ST	0%	Mag Phosphate					**155S**	3/4	6-7/8”	7”
							211S	3/4	9-3/8”	9-1/2”
							213S	3/4	7-3/4”	7-3/4”
							221S	3/4	7-1/8”	7-1/4”
							243S	3/4	7”	7”
							244S	3/4	7-1/8”	7-1/4”
							245S	3/4	9-3/8”	9-1/2”
							251S	3/4	6-7/8”	7”
							258S	3/4	7-1/2”	7-5/8”
							259S	3/4	8-7/8”	9”
10050ST-750SS	25%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10055ST-750SS	0%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10050ST-825SS	25%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10055ST-825SS	0%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10050ST-700CT	25%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10055ST-700CT	0%	Hardcoat Anodize	X	X	N/A		**N/A**	N/A	N/A	N/A
10990	25%	Mag Phosphate	X	X		X	**241S**	3/4	8-3/8”	8-1/2”
10990C	25%	Mag Phosphate	X	X			**305S**	3/4	7-1/2”	7-5/8”
							353S	3/4	8-3/4”	8-7/8”
							307S	3/4	9-3/8”	9-1/2”

*Bolt-On Stock Type Pan **Bolt-On Circle Track Pan **NOTE: Minimum screen to pan clearance distance (3/8” to 1/2”) can vary due to pan gasket thickness**

High Performance Double Roller Timing Chains

Part #	Part Description	Features / Specifications	Fitment
40000	Double Roller Timing Chain	Premium Seamless Double Roller; .250" Diameter Roller; .925" Width; 58 Links	265-400
40002	Double Roller Timing Chain	Premium Seamless Double Roller; .250" Diameter Roller; .925" Width; 64 Links (Oldsmobile)	350
40004	Double Roller Timing Chain	Premium Seamless Double Roller; .250" Diameter Roller; .925" Width; 60 Links (Pontiac)	350

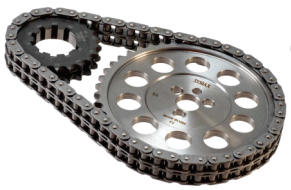

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40002

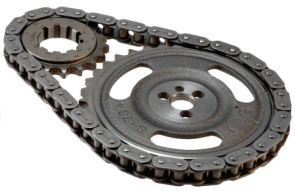

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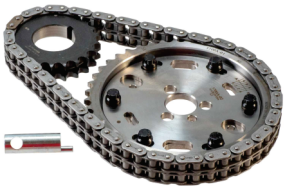
High Performance Chain Drive Speed Sets

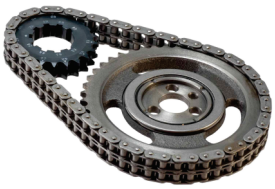
Part #	Features / Specifications
40201	.200" Seamless double roller chain; Cast iron camshaft sprocket; 2° Maximum Adv./Ret. at camshaft; 3 Keyway adjustable crankshaft sprocket; Center distance 4.521" (265-400)
40400	.250" Seamless double roller chain; Induction heat treated cast iron camshaft sprocket; 2° Maximum Adv./Ret. at camshaft; Billet steel 3 keyway adjustable crankshaft sprocket; Center distance 4.521" (265-400)
40408	.250" Seamless double roller chain; Induction heat treated cast iron camshaft sprocket; 2° Maximum Adv./Ret. at camshaft; Billet steel 3 keyway adjustable crankshaft sprocket; Center distance 5.192" (305 - 400)
40409	.250" Seamless double roller chain; Induction heat treated cast iron camshaft sprocket; 2° Maximum Adv./Ret. at camshaft; Billet steel 3 keyway adjustable crankshaft sprocket; Center distance 5.044" (265-400)
40500	.355" Seamless single roller chain; Induction heat treated cast iron camshaft sprocket; 2° Maximum Adv./Ret. at camshaft; Billet steel 3 keyway adjustable crankshaft sprocket; Center distance 4.521" (265-400)
40520	.375" HY-VO silent chain; Billet steel camshaft sprocket; 4° Maximum Adv./Ret. at camshaft; Billet steel 9 keyway adjustable crankshaft sprocket; Center distance 4.521" (305 & 350)
48566T-9	.250" Seamless double roller chain; Billet steel camshaft sprocket; 8° Maximum Adv./Ret. At camshaft; Heat treated billet steel 9 keyway adjustable crankshaft sprocket w/black oxide coating; One piece Torrington thrust bearing; Center distance 4.521" (305 & 350)
48568-3	.334" Seamless single roller Chain; Cast iron camshaft sprocket; 3 Keyway adjustable stainless steel crankshaft sprocket; Engines with roller camshafts; center distance 4.521" (305 & 350)
48569-9	.334" Seamless single roller chain; Cast iron camshaft sprocket; 9 Keyway adjustable stainless steel crankshaft sprocket; Engines with roller camshafts; Center distance 4.521" (305 & 350)
48572T	.250" Seamless double roller Chain; 2 Piece adjustable billet steel camshaft sprocket with thrust bearing; 6° Maximum Adv./Ret. At camshaft; Heat treated billet steel crankshaft sprocket with black oxide coating (305 & 350)
48574T-9	.250" Seamless double roller chain; Cast iron camshaft sprocket; 4° Maximum Adv./Ret. at camshaft; Induction heated 9 keyway adjustable billet steel crankshaft sprocket; One piece Torrington thrust bearing; Center distance 4.521" (265-400)


48566T-9


48568-3


48569-9


48572T


48574T-9

High Performance "Quiet" Gear Drive Speed Set

Part #	Features / Specifications
48400Q	Includes cam button, thrust washer if required; Designed to fit under stock OEM timing covers; Street/Strip performance gear drive; Gears Are CNC machined from premium billet steel and Induction Heat Treated for maximum strength; Precision cut idler gears and plate assembly; 3 Keyway adjustable crankshaft sprocket; Quiet running gear drive (265-400)





High Performance Thrust Bearing

Part #	Features / Specifications
TB220	Torrington thrust bearing; .150" thick; 2.138" Inside diameter; 2.890" Outside diameter; Hardened steel; Precision ground material designed to handle axial loads diverting heavy thrust force (265-400)

High Performance Camshafts For Towing - Street & Strip - Racing

Features / Specifications											
Part #	Class	RPM Range	Duration @ .050 Int.	Duration @ .050 Exh.	Duration Int.	Duration Exh.	Valve Lift Int.	Valve Lift Exh.	Lobe Separation	Cam Type	Fitment
MTC-1*	Class 1	1000 - 4500	204	214	278	288	.421	.444	112°	Hyd. Flt Tap	265-400
22107	Class 1	1000 - 4500	208	208	280	280	.420	.442	110°	Hyd. Flt Tap	265-400
22108	Class 1	Idle - 4000	184	194	260	270	.367	.397	104°	Hyd. Flt Tap	265-400
22109	Class 1	Idle - 4000	194	204	270	278	.397	.420	104°	Hyd. Flt Tap	265-400
22110	Class 1	1000 - 4500	204	214	278	288	.420	.443	110°	Hyd. Flt Tap	265-400
22111	Class 1	Idle - 4000	194	204	270	278	.398	.421	112°	Hyd. Flt Tap	305
22114	Class 1	1400 - 4900	208	208	280	280	.420	.420	111°	Hyd. Flt Tap	265-400
22115	Class 1	1500 - 5000	209	216	283	286	.435	.455	112°	Hyd. Flt Tap	265-400
22126	Class 1	1250 - 4750	194	214	268	288	.398	.441	112°	Hyd. Flt Tap	305
22129	Class 1	Idle - 4500	198	210	273	288	.434	.462	112°	Hyd. Roller	265 -350
22131	Class 1	1000 - 4500	207	214	271	280	.410	.427	117°	Hyd. Roller	305
22135	Class 1	1000 - 4500	206	214	265	274	.470	.490	112°	Retro Roller	265-400
22136	Class 1	1500 - 5000	215	230	284	310	.470	.480	110°	Retro Roller	265-400
22200	Class 2	2100 - 5600	223	223	290	290	.447	.447	114°	Hyd. Flt Tap	265-400
22203	Class 2	1700 - 5200	214	224	288	298	.444	.466	112°	Hyd. Flt Tap	265-400
22210	Class 2	2200 - 5800	224	224	291	287	.450	.460	114°	Hyd. Flt Tap	265-400
22213	Class 2	1700 - 5200	214	214	287	287	.444	.444	112°	Hyd. Flt Tap	265-400
22215	Class 2	2000 - 5000	218	218	295	295	.429	.429	110°	Hyd. Flt Tap	265-400
22221	Class 2	Idle - 4500	197	206	261	276	.433	.450	109.5°	Hyd. Roller	305
22230	Class 2	1700 - 5300	214	214	287	287	.444	.444	110°	Hyd. Flt Tap	265-400
22232	Class 2	2000 - 5700	220	231	304	287	.468	.480	110°	Hyd. Flt Tap	265-400
22233	Class 2	2200 - 5800	224	224	300	300	.436	.436	108°	Hyd. Flt Tap	265-400
22234	Class 2	2000 - 5500	224	230	283	291	.480	.486	110°	Hyd. Flt Tap	265-400
22235	Class 2	2200 - 5700	224	224	224	224	.465	.465	112°	Hyd. Flt Tap	265-400
22237	Class 2	1700 - 5200	215	224	284	296	.470	.490	112°	Retro Roller	265-400
22238	Class 2	1700 - 5300	215	215	284	284	.470	.470	110°	Retro Roller	265-400
22280	Class 2	2000 - 5200	220	224	283	287	.495	.502	110°	Hyd. Roller	350
22298	Class 2	2000 - 5500	222	232	297	307	.478	.501	114°	Hyd. Roller	305
22301	Class 3	2500 - 6000	232	232	288	288	.480	.480	108°	Hyd. Flt Tap	265-400
22303	Class 3	2200 - 5700	224	234	298	304	.466	.488	112°	Hyd. Flt Tap	265-400
22305	Class 3	2700 - 6200	234	244	303	313	.487	.508	112°	Hyd. Flt Tap	265-400
22320	Class 3	2500 - 6000	230	230	304	304	.453	.453	114°	Hyd. Flt Tap	265-400
22321	Class 3	2000 - 5800	227	241	283	303	.513	.498	107°	Hyd. Retro-Roller	350
22322	Class 3	2000 - 5800	227	241	283	303	.513	.498	107°	Retro Roller	265-400
22398	Class 3	2500 - 6000	234	238	296	300	.538	.546	112°	Retro Roller	265-400
22400	Class 4	3700 - 7300	257	270	304	320	.494	.512	112°	Mech Flt Tap	265-400
22401	Class 4	3300 - 6700	244	254	313	328	.508	.533	112°	Hyd. Flt Tap	265-400
22402	Class 4	2700 - 6200	240	250	282	290	.521	.521	106°	Mech Flt Tap	265-400
22404	Class 4	3700 - 7300	258	266	290	298	.538	.556	105°	Mech Flt Tap	265-400
22410	Class 4	3600 - 7200	254	254	294	294	.484	.484	114°	Mech Flt Tap	265-400
22416	Class 4	3000 - 7000	248	256	302	310	.600	.600	109°	Hyd. Flt Tap	265-400
22420	Class 4	2200 - 6100	235	249	291	311	.508	.522	107°	Hyd. Retro-Roller	350
22421	Class 4	2200 - 6100	235	249	291	311	.508	.522	107°	Retro Roller	265-400
22450	Class 4	3600 - 7200	262	273	309	318	.511	.535	112°	Mech Flt Tap	265-400
22460	Class 4	3300 - 6800	246	246	302	302	.508	.508	109°	Hyd. Flt Tap	265-400

NOTE: ALL CAMSHAFTS LISTED ABOVE ARE NOT CALIFORNIA COMPLIANT. *(RV/Towing camshaft) (All valve lift specifications are based on a 1.5 rocker arm ratio)



22109



22230



22400

- **Class 1:** (200°-215°) Good idle quality. Low RPM torque and mid-range performance. Will work with stock or slightly modified engine. For use with manual or auto transmission.
- **Class 2:** (215°-230°) Fair Idle quality. Good low to mid-range RPM torque and horsepower. Will work with stock or modified engine. For use with manual or auto transmission. Possibly lower vacuum than stock.
- **Class 3:** (230°-245°) Rough Idle quality. Good mid to high RPM torque and horsepower. For use with manual transmission or high stall automatic. May need improved carb, exhaust and ignition systems. Combination "Street and Strip"camshaft. Will have lower vacuum than stock.
- **Class 4:** (245°-UP) Rough Idle quality. Mid to high RPM torque and horsepower. Racing camshaft. Needs proper selection of rear axle ratio and improvements in carb and exhaust systems. For use with manual transmission or an automatic with a very high stall converter. Will not have enough vacuum for power accessories.

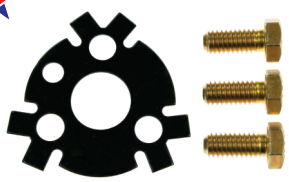
High Performance Camshaft And Lifter Kits

Part #	Contents	Features / Specifications	Fitment
CL-MTC-1	Contains (1) MTC-1 “RV / Torque” camshaft, (16) JB-817 Lifters and 4oz Bottle of Mell Lube. Check For coil bind. Use VS-380 Valve spring w/Installed height of 1.72”. Not California compliant.		265-400



High Performance Camshaft Bolt Lock Plate

Part #	Features / Specifications	Fitment
4605-LPK	Prevents the camshaft bolt from loosening and therefore preventing costly valve train and engine damage. Camshaft bolt lock plates are easily installed by applying torque to the bolt and properly bending the locking tabs into place to secure the bolt.	265-400



High Performance Push Rods

Features / Specifications										
Part #	**Length**	**Diameter**	**Bottom Tip Diameter**	**Top Tip Diameter**	**Wall Thickness**	**Bottom Tip Type**	**Top Tip Type**	**Type**	**Material**	**Fitment**
500614	7.910”	.315”	.315”	.315”	.080”	Rounded	Rounded	1 Piece	Chrome-Moly Steel	265-400
500674	7.910”	.393”	.315”	.315”	.080”	Rounded	Rounded	1 Piece	Chrome-Moly Steel	265-400
501004	7.795”	.315”	.315”	.315”	.080”	Rounded	Rounded	1 Piece	Chrome-Moly Steel	265-400
501024	7.590”	.315”	.315”	.315”	.080”	Rounded	Rounded	1 Piece	Chrome-Moly Steel	265-400
501034	8.000”	.315”	.315”	.315”	.080”	Rounded	Rounded	1 Piece	Chrome-Moly Steel	265-400



High Performance Push Rod Guide Plates

Melling Performance push rod guide plates are manufactured from high quality heat treated steel to help reduce flexing.

Each guide plate is black oxide coated to prevent rusting. Must be used with screw in rocker arm studs.

Features / Specifications									
Part #	**Length**	**Width**	**Thickness**	**Slot Width**	**Mount Hole Diameter**	**Mount Hole Qty**	**Stepped**	**Material**	**Fitment**
MGP1004	1.639”	2.608”	.130”	.318”	.463”	2	No	Steel	265-400
MGP1014	1.648”	2.611”	.122”	.397”	.455”	2	No	Steel	265-400
MGP1024	1.600”	2.611”	.124”	.390”	.455”	2	Yes	Steel	265-400
MGP1034	1.687”	2.624”	.129”	.330”	.455”	2	Yes	Steel	265-400



MGP1004



MGP1014



MGP1024



MGP1034

High Performance Rocker Arms / Rocker Arm Studs

Part #	Part Description	Features / Specifications	Fitment
498404	Rocker Arm	Shaft type mounting; Self aligning; Non-roller; Hardened steel; Black oxide coated	265-400
MRDS-941	Rocker Arm Stud	Length: 2.560”; Grade: 8; End 1 thread type: Coarse; End 1 thread dia.: 0.437”; End 2 thread type: Fine; End 2 thread diameter: 0.437”; Hardened steel	265-400
MRDS-2920	Rocker Arm Stud	Length: 2.235”; Grade: 8; End 1 thread type: Coarse; End 1 Thread dia.: 0.437”; End 2 thread type: Fine; End 2 thread diameter: 0.375”; Hardened steel	265-400



498404



MRDS-941



MRDS-2920

High Performance Valve Spring Retainers

Features / Specifications							
Part #	**I.D.**	**O.D.**	**Thickness**	**Degree**	**Stem Diameter**	**Material**	**Fitment**
475074	.787”	1.377”	.472”	7°	11/32”	Chrome-Moly Steel	265-400
475184	.393”	1.181”	.511”	7°	11/32”	Chrome-Moly Steel	265-400
475304	.393”	1.259”	.393”	7°	11/32”	Chrome-Moly Steel	265; 305-400
475404	.404”	0.642”	.360”	7°	11/32”	Chrome-Moly Steel	265-400



475074



475184



475304

High Performance Valve Springs - (Sold individually or in 16 piece kits)

Features / Specifications										
Part #	**Free Length**	**O.D.**	**I.D.**	**Spring Rate**	**Closed Pressure / Height**	**Open Pressure / Height**	**Solid Height**	**Material**	**Spring Type**	**Fitment**
466114	2.380”	1.440”	1.080”	200	105 @ 1.750”	205 @ 1.250”	1.086”	Chrome Silicon	Single	265-400
466204	2.040”	1.253”	.876”	414	116 @ 1.700”	319 @ 1.210”	1.160”	Chrome Silicon	Single w/Damper	265-400
466274	2.237”	1.084”	.800”	132.5	72.5 @ 1.687”	152 @ 1.087”	1.000”	Chrome Silicon	Single	265-400
466354	2.120”	1.220”	.866”	282	94 @ 1.800”	235 @ 1.300”	1.141”	Chrome Silicon	Single w/Damper	265-400
466364	2.140”	1.260”	.866”	397	112 @ 1.800”	350 @ 1.200”	1.160”	Chrome Silicon	Single w/Damper	265-400
466454	2.126”	1.259”	.885”	339	130 @ 1.720”	315 @ 1.174”	1.113”	Chrome Silicon	Single	265-400
466724	2.380”	1.440”	.800”	332	169 @ 1.750”	335 @ 1.250”	1.102”	Chrome Silicon	Dual	265-400
466864	2.145”	1.270”	.769”	417	130 @ 1.800”	380 @ 1.200”	1.135”	Chrome Silicon	Single w/Damper	265-400
466954	2.155”	1.263”	.880”	434	150 @ 1.750”	367 @ 1.250”	1.100”	Chrome Silicon	Single w/Damper	265-400



466114



466204



466724



466864

High Performance Valve Springs 16 Piece Packs

Features / Specifications								
Part #	**Includes**	**O.D.**	**I.D.**	**Closed Pressure / Height**	**Open Pressure / Height**	**Solid Height**	**Spring Type**	**Fitment**
46620-16	(16) 46620 Valve Springs	1.253”	.876”	116 @ 1.700”	319 @ 1.210”	1.160”	Single w/Damper	265-400
46635-16	(16) 46635 Valve Springs	1.220”	.866”	94 @ 1.800”	235 @ 1.300”	1.141”	Single w/Damper	265-400
46636-16	(16) 46636 Valve Springs	1.260”	.866”	112 @ 1.800”	350 @ 1.200”	1.160”	Single w/Damper	265-400
46645-16	(16) 46645 Valve Springs	1.259”	.885”	130 @ 1.720”	315 @ 1.174”	1.113”	Single	265-400
46686-16	(16) 46686 Valve Springs	1.270”	.769”	130 @ 1.800”	380 @ 1.200”	1.135”	Single w/Damper	265-400
46695-16	(16) 46695 Valve Springs	1.263”	.880”	150 @ 1.750”	367 @ 1.250”	1.100”	Single w/Damper	265-400

See valve spring chart above for full spring specifications



46620-16



46635-16



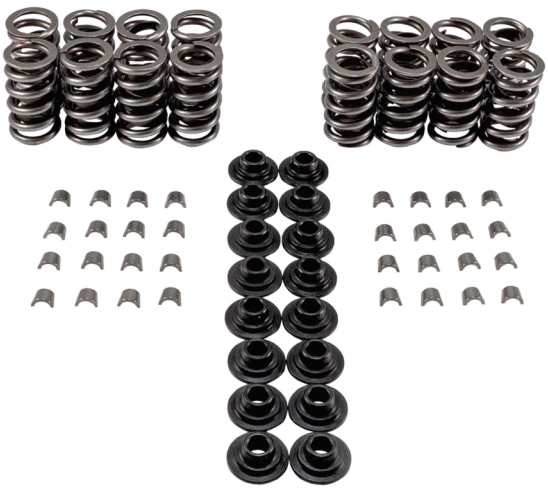
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High Performance Valve Spring Kits

Features / Specifications									
Part #	Valve Spring Qty	O.D.	I.D.	Closed Pressure / Height	Open Pressure / Height	Solid Height	Valve Spring Retainer Qty	Valve Lock Qty	Fitment
VSK46620	466204 (16)	1.253”	.876”	116 @ 1.700”	319 @ 1.210”	1.160”	475184 (16)	VL-200 (32)	265-400
VSK46635	466354 (16)	1.220	.866”	94 @ 1.800”	235 @ 1.300”	1.141”	475184 (16)	VL-200 (32)	265-400
VSK46636	466364 (16)	1.260”	.866”	112 @ 1.800”	350 @ 1.200”	1.160”	475184 (16)	VL-200 (32)	265-400
VSK46645	466454 (16)	1.259”	.885”	130 @ 1.720”	315 @ 1.174”	1.113”	475184 (16)	VL-200 (32)	265-400
VSK46672	466724 (16)	1.440”	.800”	169 @ 1.750”	335 @ 1.250”	1.102”	475074 (16)	476104 (32)	265-400
VSK46686	466864 (16)	1.270”	.769”	130 @ 1.800”	380 @ 1.200”	1.135”	475184 (16)	VL-200 (32)	265-400
VSK46695	466954 (16)	1.263”	.880”	150 @ 1.750”	367 @ 1.250”	1.100”	475304 (16)	VL-200 (32)	265-400



VSK46620



VSK46686

High Performance Valves

Features / Specifications									
Part #	Valve Type	Stem Type	Length	Head Dia.	Stem Dia.	Seat Angle	Groove Qty	Material	Fitment
451024	Exhaust	Straight	4.905”	1.500”	.341”	45°	1	Chrome Plated Steel	265-400
451044	Exhaust	Straight	4.881”	1.600”	.341”	45°	1	Chrome Plated Steel	265-400
456305	Exhaust	Undercut	4.925”	1.600”	.341”	45°	1	Chrome Plated Steel	265-400
456309	Exhaust	Undercut	4.925”	1.500”	.342”	45°	1	Chrome Plated Steel	265-400
451014	Intake	Straight	4.881”	1.940”	.341”	45°	1	Chrome Plated Steel	265-400
456299	Intake	Undercut	4.929”	1.940”	.342”	45°	1	Chrome Plated Steel	265-400
456302	Intake	Undercut	4.929”	2.020”	.342”	45°	1	Chrome Plated Steel	265-400



451024 451044 456305 456309 451014 456299 456302

High Performance Valve Lock

Part #	Features / Specifications
476104	.365” Length; .500” Width; Fits .341” valve stem diameter; 1 Valve lock groove qty; Steel (265-400)
477004	.375” Length; .500” Width; Fits .341” valve stem diameter; 1 Valve lock groove qty; Steel (265-400)



High Performance Hydraulic Valve Lifters

Features / Specifications					
Part #	**Material**	**O.D.**	**Length**	**Notes**	**Fitment**
298174	Forged cold steel body	0.842”	2.000”	Use w/ factory settings	265-400
298184	Forged cold steel body	0.842”	2.000”	Anti-Pump Up; Set at zero lash; Use w/ adjustable valve train	265-400


298174


298184

High Performance Retro-Fit Hydraulic Roller Valve Lifters

Features / Specifications

291001
- Hydraulic Retro-Fit Roller lifter for engines not originally equipped w/ Hydraulic roller lifters
- Will also fit engines originally equipped w/ Roller lifters and aftermarket blocks w/ .300” tall lifter bore applications; 0.030 inch pre load
- Manufactured filled w/ Leak down fluid & 100% select-fit components for precise leak down rate
- Forged chrome alloy steel body for maximum strength
- Check-ball metering for precise control and quiet operation
- 100% Flow checked machined steel pushrod socket for precise oil metering
- Hydraulic roller camshaft required
- Sold in set of 16 w/ Vertical Tie Bar
- (265-400)



292110R
- Hydraulic Roller lifter
- Cold forged steel body heat treated for maximum strength and wear resistance
- Precision ground needle roller bearing with high chromium steel axle for long life and minimal friction
- Cold forged extra long piston, precision ground and fitted for controlled leak down and pump up
- High flow disc style quick reacting check valve for better reaction at higher RPM
- Precision oil metering assuring proper oiling to the rocker arms without sacrificing oil pressure
- 0.842” OD; Use with factory “dog bones” or lifter trays
- Sold in set of 16
- (265-400)



292116SBR
- Hydraulic Roller lifter
- Cold forged steel body heat treated for maximum strength and wear resistance
- Precision ground needle roller bearing with high chromium steel axle for long life and minimal friction
- Cold forged extra long piston, precision ground and fitted for controlled leak down and pump up
- High flow disc style quick reacting check valve for better reaction at higher RPM
- Precision oil metering assuring proper oiling to the rocker arms without sacrificing oil pressure
- Proprietary tie-bar system
- 0.842” OD; .300” taller Fits hydraulic roller blocks and 1985-87 trucks
- Sold in set of 16
- (265-400)

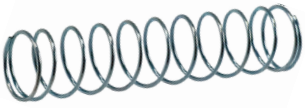


SB817RF16
- Hydraulic “Retro-Fit” Roller Lifter
- Up To 6,500 RPM capability
- 0.120 Inch plunger travel; 0.700 Inch wheel diameter
- Recommended spring pressures are 100-180 Lbs seat pressure and 280-380 lbs open pressure
- 0.842” OD / 3.171” Length
- Sold in set of 16 w/ Vertical Tie Bar
- (265-400)



High Performance Valve Train Set-Up Spring Set

VTSS100
Valve train check spring features “Low Tension” design that allows for hand installation. Used for measuring to valve clearance, rocker arm ratio and camshaft degreeing. Material: Steel (Sold in sets of 2)

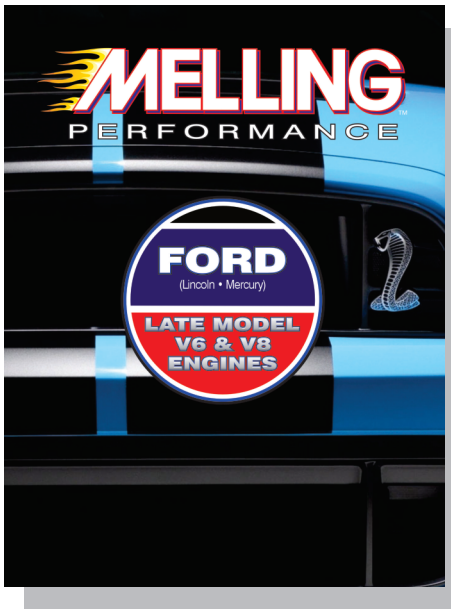


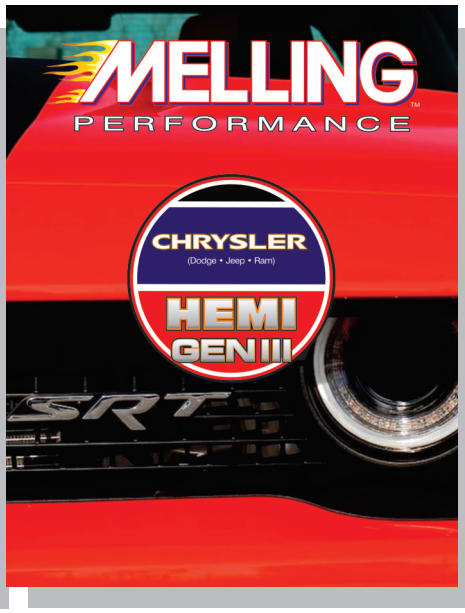
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- Valve Train Kits and Components
- Cylinder Sleeves
- Water Pumps
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