



## Rear View Mirror With Mounting Bracket COL7328

Large 5" diameter, flat face mirror gives optimal side and rear vision.



## Wide Angle Mirror And Clamp-On Brackets

Mirror has up to three times more visibility than most standard mirrors.

**Part No. Description**  
COL16741 .....Wide Angle Mirror With 1-3/4" Brackets  
COL16742 .....Wide Angle Mirror, No Brackets  
COL900-401 .....Mounting Bracket, 1-1/2" Dia. Sold Individually



## Adjustable Aluminum Gas Pedal With Roller Bearings

Roller bearings and a nylon roller foot pedal offer smooth acceleration and improved throttle "feel" without the drag and discomfort associated with round tube or flat steel pedals. The adjustable pedal and linkage arm may be indexed to fit and can also be adjusted from side to side for exact alignment in the chassis. Ideal for long races when driver comfort is critical. Available with straight or angled mounting flange.

**Part No. Description**  
COL19460 .....Throttle Pedal Assembly, Aluminum, Straight  
COL19831 .....Throttle Pedal Assembly, Aluminum, Angled (18°)  
COL20385 .....Throttle Pedal Assembly, Aluminum, Angled (90°)

### Related Component

COL21864 .....Adjustable Throttle Stop, 1-1/2" To 2-1/4"



COL19460



COL21864

## Steering Quickeners

Compact, CNC-machined aluminum ProLite quickeners are anodized for corrosion resistance and weigh just 2-1/2 lbs. 3/4-36" Spline.

**Part No. Description**  
COL22369 .....1.5:1, Two-Bolt Mount  
COL22370 .....2.0:1, Two-Bolt Mount  
COL22380 .....2.0:1, Three-Bolt Mount



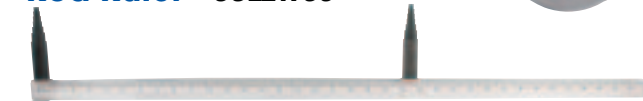
COL22369

## Sportsman Rotor COL140-753

Heavy duty straight vane rotor is 1" x 10-1/2" Dia., 10-bolt pattern (36 vanes). Use with billet steel hub and stock caliper.



## "Rod Ruler" COL21790



Quickly measure tie rods, trailing arms, third links, etc. fitted with rod ends. Compatible with 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" rod ends, linkages up to 36" long, or torque absorbers with up to 5-1/2" dia. springs.

## Aluminum Clamp-On Accessory Mounts

Accessory mounts clamp to roll bar or chassis tubing for quick mounting of mirrors, helmet hooks, etc. Brackets feature a 1/4"-20 tapped hole.

**Part No. Description**  
COL900-400 .....Accessory Mount, 1-1/4"  
COL900-401 .....Accessory Mount, 1-1/2"  
COL900-403 .....Accessory Mount, 1-3/4"



## Aluminum Driveshafts



Driveshafts are made from 3.0" O.D. x .125" wall aluminum tubing, fitted with super durable 6061-T6 billet aluminum end yokes and GM 1310 series (1-1/16" x 3-7/32") u-joints, and can reduce rotating weight by up to 8 lbs. Driveshaft measurements are from u-joint center line to u-joint center line. Slip yoke not included.

Part No.	Length	Part No.	Length	Part No.	Length
COL16601	35"	COL16609	39"	COL16617	42-1/2"
COL16603	36"	COL16610	39-1/2"	COL16618	43"
COL16604	36-1/2"	COL16612	40"	COL16619	43-1/2"
COL16605	37"	COL16613	40-1/2"	COL16620	44"
COL16606	37-1/2"	COL16614	41"	COL16621	44-1/2"
COL16607	38"	COL16615	41-1/2"	COL16622	45"
COL16608	38-1/2"	COL16616	42"		

## Slip Yokes

Yokes are available in extended lengths for cars with longer suspension travel.

**Part No. Description**  
COL853-Y .....1310 Slip Yoke, Fits GM Powerglide, Saginaw 3/4-Speed, 26-Spline, 5.500" Long  
COL1310-400 .....1310 Slip Yoke, Fits GM TH-400, Muncie M-22, Jerico, 32-Spline, 5.500" Long  
COL1330-351 .....1330 Slip Yoke, Fits GM Powerglide, Saginaw 3/4-Speed, 26-Spline, 6.750" Long  
COL22060 .....1310 Slip Yoke, Fits GM Powerglide, Saginaw 3/4-Speed, 26-Spline, 7.500" Long



COL1330-351

## Threaded Wide 5 Wheel Spacers

Billet aluminum spacers thread to 5/8" coarse studs and are available in thicknesses of 1/8", 1/4", 1/2", 3/4" and 1". Sold in packs of five.

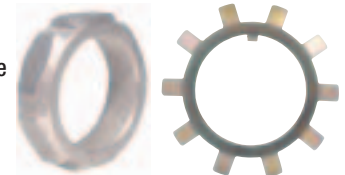
Part No.	Thickness	Part No.	Thickness
COL21560	1/8"	COL21563	3/4"
COL21561	1/4"	COL21564	1"
COL21562	1/2"		



## Wide 5 Axle Nut And Washer

Axle nut and washer fit all standard Wide 5 snouts. Slide washer onto snout, install and tighten axle nut and bend washer tabs into slots on nut to lock into place.

**Part No. Description**  
COLAN-852 .....Axle Nut  
COLAW-851 .....Axle Washer



## SB Chevy 1:1 Aluminum Pulleys

Double groove, billet aluminum pulleys are hard coat anodized for durability and sized to deliver a 1:1 drive ratio. Fits small block Chevy.

**Part No. Description**  
COLDS-364 .....5-7/8" Dia. Crank Pulley  
COLDS-364-2L...5-7/8" Dia. Crank Pulley, Corvette Pump  
COLDS-364-B...Crank Pulley Alignment Boss  
COLDS-380-3...5-7/8" Dia. Water Pump Pulley, 3/4" Pilot  
COL9325 .....V-Belt For 1:1 Pulleys





## MLS (Multi-Layer Steel) Head Gaskets

Cometic's MLS head gaskets have three layers of stainless steel for strength, rebound ability and resistance to corrosion. Outer layers are embossed with a fluoroelastomer rubber based material (Viton) to withstand heat and harsh sealing environments. MLS gaskets are available in many different thicknesses. One per package.

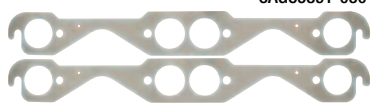


Part No.	Description	Bore	Thk.
<b>Chevy Small Block (Including SB2 And Gen. III LS1)</b>			
CAGC5245-030	Cast Iron Or Aluminum Heads, Dart	4.060"	.030"
CAGC5245-051	Cast Iron Or Aluminum Heads, Dart	4.060"	.051"
CAGC5245-060	Cast Iron Or Aluminum Heads, Dart	4.060"	.060"
CAGC5246-040	Cast Iron Or Aluminum Heads, Dart	4.100"	.040"
CAGC5247-030	Cast Iron Or Aluminum Heads, Dart	4.125"	.030"
CAGC5247-040	Cast Iron Or Aluminum Heads, Dart	4.125"	.040"
CAGC5248-027	Cast Iron Or Aluminum Heads, Dart	4.165"	.027"
CAGC5248-066	Cast Iron Or Aluminum Heads, Dart	4.165"	.066"
CAGC5249-066	Cast Iron Or Aluminum Heads, Dart	4.200"	.066"
CAGC5474-040	Vortec Head With Valve Pockets	4.080"	.040"
CAGC5410-040	Vortec Head With Valve Pockets	4.165"	.040"
CAGC5399-040	All Other SB Brodix Heads	4.030"	.040"
CAGC5400-040	All Other SB Brodix Heads	4.125"	.040"
CAGC5401-040	All Other SB Brodix Heads	4.135"	.040"
CAGC5402-040	All Other SB Brodix Heads	4.160"	.040"
CAGC5403-040	All Other SB Brodix Heads	4.200"	.040"
CAGC5403-051	All Other SB Brodix Heads	4.200"	.051"
CAGC5407-040	SB BD2000 Brodix	4.160"	.040"
CAGC5408-040	SB BD2000 Brodix	4.200"	.040"
CAGC5323-040	SB2 350, 400	4.165"	.040"
CAGC5472-040	SB2 350, 400	4.190"	.040"
CAGC5324-040	SB2 350, 400	4.200"	.040"

Part No.	Description	Bore	Thk.
<b>Ford Small Block</b>			
CAGC5478-040	302-351W SVO, Round Bore	4.030"	.040"
CAGC5480-040	302-351W SVO, Round Bore	4.080"	.040"
CAGC5481-040	302-351W SVO, Round Bore	4.100"	.040"
CAGC5483-040	302-351W SVO, Round Bore	4.155"	.040"
CAGC5509-051	302-351W SVO, Round Bore	4.195"	.051"
CAGC5485-040	302-351W SVO, Round Bore	4.200"	.040"
CAGC5511-040	289-351W, Non-SVO	4.030"	.040"
CAGC5513-040	289-351W, Non-SVO	4.080"	.040"
CAGC5513-060	289-351W, Non-SVO	4.080"	.060"
CAGC5514-040	289-351W, Non-SVO	4.100"	.040"
CAGC5515-040	289-351W, Non-SVO	4.155"	.040"
CAGC5517-040	289-351W, Non-SVO	4.200"	.040"
CAGC5358-040	302-351W SVO, With Valve Pockets, Yates (Left)	4.100"	.040"
CAGC5359-040	302-351W SVO, With Valve Pockets, Yates (Right)	4.100"	.040"
CAGC5364-040	302-351W SVO, With Valve Pockets, Yates (Left)	4.180"	.040"
CAGC5365-040	302-351W SVO, With Valve Pockets, Yates (Right)	4.180"	.040"
CAGC5366-040	302-351W SVO, With Valve Pockets, Yates (Left)	4.200"	.040"
CAGC5367-040	302-351W SVO, With Valve Pockets, Yates (Right)	4.200"	.040"
<b>Ford 2300 4-Cylinder</b>			
CAGC5369-027	2.3L SOHC	3.830"	.027"
CAGC5369-040	2.3L SOHC	3.830"	.040"

## MLS (Multi-Layer Steel) Exhaust Manifold Gaskets

Durable MLS exhaust manifold gaskets will not push out or burn through and will maintain a torque set, eliminating retightening. Fully compatible with different combinations of cylinder head and exhaust manifold/header materials. All gaskets listed are .030" thick. Sold in pairs.



CAGC5891-030

Part No.	Description	Port Size
CAGC5891-030	SB Chevy 262-400	1.500" Dia. Round Port
CAGC5892-030	SB Chevy 262-400	1.450" x 1.480"

## Rear Main Seals

**Part No. Description**  
 CAGC5379.....SB Chevy, 2-Piece  
 CAGC5384.....SB Ford, 351W With 302 Crankshaft  
 CAGC5391.....SB Ford 351W



CAGC5379



## Camshaft Degree Kit COM4796

Includes a 9" degree wheel, cam checking fixture, 0-1" travel dial indicator, VHS/DVD cam degree how-to video, degree wheel wire pointer, TDC piston stop, two lightweight checking springs, and an instruction booklet, everything needed to degree camshafts in most engines. Packed in a foam lined case.

### Replacement Parts And Accessories

**Part No. Description**  
 COM4790.....Replacement 9" Dia. Degree Wheel  
 COM4791-1.....Pro 16" Dia. Degree Wheel  
 COM4793.....SB Chevy Crankshaft Socket  
 COM4795.....Replacement 14mm TDC Stop  
 COM4798.....Ford Crankshaft Socket



## Engine Break-In Oil **NEW!**

Lubricant provides engine protection during break-in. ZDDP (zinc and phosphorous), molybdenum and detergent additives protect and improve surface mating of rotating assembly, piston rings, camshaft, lifters, rocker arms, etc. One quart bottles are available individually or in cases of 12.

**Part No Description**  
 COM1590.....Engine Break-In Oil, 1 Qt.  
 COM1590-12.....Engine Break-In Oil, 1 Case (12 Qts.).



## Engine Break-In Oil Additive **COM159**

Provides additives no longer used in off-the-shelf motor oils. Compatible with petroleum, blended or synthetic motor oils. Protects during engine break-in and against premature camshaft, lifter and valve train failure. 12 oz. bottle.





## Oval Racing Camshafts For SB Chevs

Comp Cams offers a wide variety of camshaft grinds for specific circle track racing applications. Comp's most popular hydraulic, solid and roller camshafts are listed.

Application	Valve Setting		Camshaft Part Number	Advertised Duration		Duration @.050"		Lift With 1.5 Rockers		Lobe Sep. Angle	Recommended Components		
	In.	Ex.		In.	Ex.	In.	Ex.	In.	Ex.		Valve Springs	Titanium Retainers	Lifters
Hydraulic - Heavy Car/Short Track, Stock Valve Train, 3000-6000 RPM	Hyd.	Hyd.	COM12-325-4	280°	288°	232°	237°	.483"	.483"	108°	COM986-16	COM740-16	COM858-16
Hydraulic - 1/4 to 3/8 Mi. Track, Broad Torque Range, 3500-6300 RPM	Hyd.	Hyd.	COM12-330-4	286°	292°	236°	244°	.490"	.485"	108°	COM986-16	COM740-16	COM858-16
Hydraulic - 3/8 to 1/2 Mi. Track, 350 And Larger Engine, 3700-6500 RPM	Hyd.	Hyd.	COM12-344-5	296°	305°	246°	253°	.510"	.525"	106°	COM986-16	COM740-16	COM858-16
Solid, 1/4-3/8 Tight Track, 327-358 2 BBL, 9:1 Comp.	.016"	.018"	COM12-650-5	274°	280°	244°	246°	.519"	.519"	108°	COM950-16	COM740-16	COM813-16
Solid, 1/4-3/8 Fast Track 327-358 2 BBL, 9:1 Comp.	.016"	.018"	COM12-651-5	278°	284°	248°	250°	.531"	.525"	108°	COM950-16	COM740-16	COM813-16
Solid - 1/4-3/8, 327-358 2BBL, 3000-6800	.016"	.018"	COM12-652-5	278°	284°	248°	250°	.531"	.525"	106°	COM950-16	COM730-16	COM813-16
Solid - 1/4-3/8, 327-358 2BBL, 3200-7000	.016"	.018"	COM12-653-5*	282°	288°	252°	254°	.540"	.531"	106°	COM950-16	COM730-16	COM813-16
Solid, 1/4-3/8 Tight Track, 327-358 4BBL, 12:1 Comp.	.016"	.018"	COM12-656-5*	282°	292°	252°	258°	.540"	.537"	106°	COM950-16	COM740-16	COM813-16
Solid, Late Model Stock, 1/4-3/8 Track, 358 Limited	.016"	.018"	COM12-654-5*	286°	292°	256°	258°	.549"	.537"	108°	COM950-16	COM740-16	COM813-16
Solid - 1/4 to 3/8 Mi. Track, Good All-Around Cam, 3000-6500 RPM	.020"	.022"	COM12-609-5*	285°	295°	250°	260°	.532"	.555"	106°	COM987-16	COM740-16	COM813-16
Solid - 3/8-1/2, 358+, 3400-7400	.016"	.018"	COM12-655-5	290°	296°	256°	262°	.558"	.543"	108°	COM950-16	COM730-16	COM813-16
Solid - Fast 1/4 to 3/8 Mi. Track, Broad Torque Range, 3500-6800 RPM	.020"	.022"	COM12-610-5*	290°	304°	255°	266°	.540"	.534"	104°	COM987-16	COM740-16	COM813-16
Solid - Fast Cornered 1/4 to 3/8 Mi. Track, Good Top End, 3700-7000 RPM	.020"	.022"	COM12-611-5*	290°	304°	255°	266°	.540"	.534"	106°	COM987-16	COM740-16	COM813-16
360+ Solid, 3/8-1/2 Tight Track 4BBL, 12:1+ Comp.	.016"	.018"	COM12-658-5	290°	300°	260°	266°	.558"	.549"	106°	COM950-16	COM740-16	COM813-16
Roller - 1/4-3/8 Mi. Track, Tight Corners, 3500-6500	.020"	.022"	COM12-901-9†	292°	296°	256°	258°	.630"	.630"	106°	COM943-16	COM731-16	COM818-16
Roller - 1/4-1/2 Mile Track, 355-377 4BBL Late Model, Big Heads	.016"	.016"	COM12-857-9	283°	287°	255°	259°	.645"	.645"	106°	COM26089-16	COM731-16	COM818-16
Roller - 1/4-3/8 Mi. Track, 355, Late Model, 3000-7000	.020"	.022"	COM12-940-9†	290°	300°	260°	264°	.645"	.630"	106°	COM943-16	COM731-16	COM818-16
Roller - ARCA 358, 6200-8500	.020"	.022"	COM12-906-9†	312°	322°	276°	284°	.630"	.630"	107°	COM943-16	COM731-16	COM818-16
Roller - .900" Base Circle	.016"	.020"	COM12-861-9†	287°	300°	259°	268°	.648"	.645"	107°	COM26089-16	COM731-16	COM891-16
383-415 cu. in., Late Model, Mod., 3400-7600 RPM	.016"	.020"	COM12-861-9†	287°	300°	259°	268°	.648"	.645"	107°	COM26089-16	COM731-16	COM891-16
Roller - .900" Base Circle	.016"	.020"	COM12-863-9†	291°	304°	263°	272°	.648"	.645"	108°	COM26089-16	COM731-16	COM891-16
415-430 cu. in., Great Bottom End, 3400-7600 RPM	.016"	.020"	COM12-863-9†	291°	304°	263°	272°	.648"	.645"	108°	COM26089-16	COM731-16	COM891-16
Late Model, Lg. Engine, Slick Track 4500-7500 RPM	.020"	.022"	COM12-890-9†	292°	308°	264°	272°	.660"	.630"	106°	COM943-16	COM731-16	COM891-16

† Requires upgraded gear, thrust button and wear plate.

\* Signifies camshaft also available nitrided for added durability. Simply replace "-5" suffix in part number with "-20". Example: COM12-611-20.

## Open Wheel Modified Traction Control Camshafts For SB Chevs

Open Wheel Modified T/C camshafts are engineered specifically to deliver outstanding horsepower in a broad range, while minimizing tire spin, effectively creating legal traction control.



Application	Valve Setting		Camshaft Part Number	Advertised Duration		Duration @.050"		Lift With 1.6 Rockers		Lobe Sep. Angle	Recommended Components		
	In.	Ex.		In.	Ex.	In.	Ex.	In.	Ex.		Valve Springs	Titanium Retainers	Lifters
<b>Standard Rocker Applications</b>													
Solid - IMCA Std. Rocker Ratio 3/8 - 5/8 Tracks, 355+ cu. in. 12:1 Comp., Gas or Alcohol 4BBL 3300-7300 RPM	.016"	.018"	COM12-527-5	284°	293°	258°	264°	.597"	.606"	107°	COM950-16	COM732-16	COM813-16
Roller - Outlaw Modified /8 - 5/8 Tracks, 355+ cu. in. 12:1 Comp., Gas or Alcohol 2/4 BBL 3200-7500 RPM	.016"	.018"	COM12-780-9†	287°	291°	256°	260°	.589"	.589"	107°	COM943-16	COM731-16	COM818-16
Roller - Outlaw Mod./LLM 4&7 Swap 1/3 - 1/2 Tracks, 355-383 cu. in. 11:1 Comp., Gas Or Alcohol 4BBL 3600-7400 RPM	.016"	.018"	COM12-840-14†	285°	294°	256°	261°	.702"	.691"	107°	COM943-16	COM731-16	COM818-16
Roller, 3/8-5/8 Track, 355+ 4BBL, 12:1 Comp.	.016"	.018"	COM12-781-9†	291°	295°	260°	264°	.589"	.589"	107°	COM26095-16	COM785-16	COM98818-16
<b>4 &amp; 7 Firing Order Swap Applications</b>													
Roller, 1/3-1/2 Track, 355-383 4BBL, 11:1 Comp.	.016"	.018"	COM12-841-14†	289°	298°	260°	265°	.709"	.694"	107°	COM26075-16	COM738-16	COM98818-16
Roller, 3/8-5/8 Track, 355-383 4BBL, 12:1 Comp.	.016"	.018"	COM12-842-14†	293°	302°	264°	269°	.715"	.698"	107°	COM26075-16	COM738-16	COM98818-16

† Requires upgraded gear, thrust button and wear plate.



## Tight Lash Camshafts For SB Chevs

The "Tight Lash" series is a line of race only, flat tappet camshafts that work well in circle track engines. Ramps accelerate the valve to a higher speed as it goes up to the nose, and set it down at a controlled speed on the seat. Significant power increases can be gained over earlier styles, with no sacrifice in the "off-the-corner" characteristics.

Application	Valve Setting		Camshaft Part Number	Advertised Duration		Duration @.050"		Lift With 1.5 Rockers		Lobe Sep. Angle	Recommended Components		
	In.	Ex.		In.	Ex.	In.	Ex.	In.	Ex.		Valve Springs	Steel Retainers	Lifters
Solid - Short Track, 327-350, 2BBL, 2800-6300	.018"	.020"	COM12-500-5	276°	280°	246°	250°	.520"	.530"	106°	COM950-16	COM740-16	COM813-16
Solid - Short 3/8-1/2 Mi. Track, 358, Late Model, 3000-7000	.018"	.020"	COM12-504-5	284°	284°	254°	254°	.540"	.540"	106°	COM950-16	COM740-16	COM813-16
Solid - 3/8-1/2 Mi. Track, 358, Late Model, 3200-7000	.018"	.020"	COM12-505-5	284°	288°	254°	259°	.540"	.550"	106°	COM950-16	COM740-16	COM813-16
Solid - 3/8-1/2 Mi. Track, 350-377, Open Rules, 3400-7000	.018"	.020"	COM12-506-5*	288°	292°	259°	262°	.550"	.560"	106°	COM950-16	COM740-16	COM813-16
Solid - Big 3/8-1/2 Mi. Track, 400+, Open Rules, 3500-7200	.018"	.020"	COM12-515-5*	288°	296°	259°	266°	.550"	.570"	106°	COM950-16	COM740-16	COM813-16

\* Signifies camshaft also available nitrided for added durability. Simply replace "-5" suffix in part number with "-20". Example: COM12-506-20.

## 4 & 7 Firing Order Swap (18736542) Camshafts For SB Chevs

Leading engine builders have been having 4 & 7 swap camshafts custom ground for many years in the pursuit of added horsepower. Comp offers a full selection of both solid and roller 4 & 7 swap cams to racers looking for an edge on the competition.

Application	Valve Setting		Camshaft Part Number	Advertised Duration		Duration @.050"		Lift With 1.5 Rockers		Lobe Sep. Angle	Recommended Components		
	In.	Ex.		In.	Ex.	In.	Ex.	In.	Ex.		Valve Springs	Titanium Retainers	Lifters
Solid- 1/4-3/8, 327-358 2BBL, 3000-6800	.016"	.018"	COM12-688-47	278°	284°	248°	250°	.531"	.525"	106°	COM950-16	COM730-16	COM813-16
Solid- 1/4-3/8, 327-358 4BBL, 3000-6700	.016"	.018"	COM12-689-47	282°	292°	252°	258°	.540"	.537"	106°	COM950-16	COM730-16	COM813-16
Solid- 3/8-1/2, 360+4BBL, 3400-7200	.016"	.018"	COM12-690-47	290°	300°	260°	266°	.558"	.549"	106°	COM950-16	COM730-16	COM813-16
Roller- Short Track/Small Engine, 4000-7000	.020"	.022"	COM12-823-14†	288°	296°	252°	258°	.630"	.630"	106°	COM954-16	COM731-16	COM818-16
Roller- Dirt Late Model 4BBL, 4400-7600	.020"	.022"	COM12-826-14†	288°	296°	258°	264°	.639"	.632"	106°	COM954-16	COM731-16	COM818-16

† Requires upgraded gear, thrust button and wear plate.

## High Energy Hydraulic Lifters

Lifters have lightweight check valves to eliminate excessive oiling at high RPM. Sold in sets of 16.

Part No.	Description
COM812-16.....	Chevrolet, All V-8
COM832-16.....	SB Ford 289-351W
COM846-8.....	Ford 2300cc 4-Cyl.



## Performance Series Solid Lifters

Engineered for high end racing applications, lifters have precise tolerances for superior camshaft compatibility and high RPM durability. Sold in sets of 16.

Part No.	Description
COM2900-16.....	Chevrolet, All V-8
COM2910-16.....	SB Ford 302-351W, 1969-Up



## Pro Magnum Hydraulic Lifters

Lifters perform well at higher RPM and have a distinct advantage when using hydraulic tappets. Sold in sets of 16.

Part No.	Description
COM858-16.....	Chevrolet, All V-8
COM862-16*.....	SB Ford 289-351W

\* Lifters require an adjustable valve train.



## Endure-X Solid Roller Lifters

Upgraded for even greater durability, Endure-X lifters feature EDM Oil Injection technology, which provides a constant flow of pressurized oil to the bearing assembly, preventing the possibility of oil starvation. Lifters also incorporate removable, captured link bars, precision sorted bearings and wear resistant, tool steel axles. Sold in sets of 16.



## Chevy Race Hydraulic Lifters COM84000-16

Lifters have tighter tolerances, one-piece pushrod seats and extra heavy duty snap rings. Fits all Chevy V-8's. Sold in sets of 16.



## Solid Lifters

The lifter crown has been ground to a precise radius and the oil metering band milled to eliminate excessive oil being pumped to the top of the engine. Sold in sets of 16.

Part No.	Description
COM800-16.....	Chevrolet, All V-8, .012" Hole
COM813-16.....	Chevrolet, All V-8
COM833-16.....	SB Ford 302-351W, 1969-Up



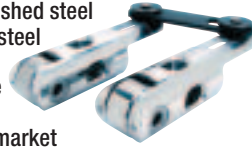
Part No.	Description	Lifter Dia.	Pushrod Seat Location	Set Includes Lifters	Link Bars
<b>SB Chevy 265-400</b>					
COM818-16	1955-86 Straight-Up Style	.842"	All Centered	(16) 818-1	(8) 818-L
COM871-16	Full Body Of 873-16, .300" Taller Body	.842"	All Centered	(16) 871-1	(8) 818-L
COM873-16	1987-Up, Bowtie/Alum. Blocks, .300" Taller	.842"	All Centered	(16) 873-1	(8) 818-L
COM891-16	Small Base Circle Cam Applications	.842"	All Centered	(16) 891-1	(8) 818-L
COM894-16	Offset Intake for More Pushrod Clearance	.842"	(8) Centered (4) Rights (4) Lefts	(8) 894C-1 (4) 894R-1 (4) 894L-1	(8) 818-L
<b>SB Ford 289-351W</b>					
COM838-16*	Standard, No Offsets	.874"	All Centered	(16) 838-1	(8) 838-L

\* SB Ford 289-302 require cylinder head removal to install lifters.



## Elite Race Solid Roller Lifters

Elite lifters have CNC-machined, REM-finished steel bodies, 9310 steel alloy wheels and 52100 steel needle bearings. Pressure fed oiling adds durability. With no oil band, lifters are more rigid to resist bushing wear. Lifter bodies are tall and will clear taller stock and aftermarket bores. Use with 5/16" or 3/8" ball pushrods. Interchangeable pushrod seats allows changing from standard or offset, or vice versa. Sets of 16 include captured link bars. Pushrod seat inserts must be purchased separately.



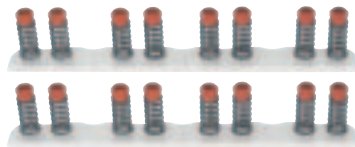
Part No.	Application	Dia.	Set Includes Lifters	Pushrod Seat Location	Wheel Dia.
COM98818-16	SB Chevy	.842"	(8) COM98842C-2	8 Pairs Centered	.750"
COM98894-16	SB Chevy, .160" Offset	.842"	(4) COM98842CL-2	4 Pairs Centered & Left	.750"
			(4) COM98842CR-2	4 Pairs Centered & Right	.750"
COM98815-16	SB Chevy	.875"	(8) COM98874C-2	8 Pairs Centered	.785"
COM98890-16	SB Chevy, .160" Offset	.875"	(4) COM98874CL-2	4 Pairs Centered & Left	.785"
			(4) COM98874CR-2	4 Pairs Centered & Right	.785"
COM98838-16	SB Ford 289-351W	.875"	(8) COM98838C-2	8 Pairs Centered	.785"

## Pushrod Seat Inserts

Part No.	Description	Dia.	Pushrod Seat Location
COM98500C-1	Centered	.842" Or .875"	Centered
COM98500L-1	Left Offset	.842" Or .875"	.180" Left
COM98500R-1	Right Offset	.842" Or .875"	.180" Right
COM5350	Removal Tool	.842"/.875"/.904"	N/A

## Rev Kit COM4000

Extruded aluminum rev kit prevents oil pressure loss in the event of a pushrod or rocker arm failure. Kit includes springs and buttons and fits all 265-400 Chevy with .842" tappets.



## High Energy Pushrods

Pushrods are designed with the budget-conscious racer in mind. Sold in sets of 16.

Part No.	Dia.	Description	Length
COM7812-16	5/16"	SB Chevy 265-400, Flat Tappet	7.794"
COM7831-16	5/16"	SB Ford 255-302, '65-Up	6.881"
COM7835-16	5/16"	SB Ford 351W, '69-78	8.152"

## Magnum Pushrods

One-piece, .080" wall chrome moly steel pushrods are engineered to stand up to the high spring pressures and stresses of oval track racing. Sold in sets of 16.

Part No.	Dia./Wall Thk.	Description	Length
<b>SB Chevy 265-400</b>			
COM7372-16	5/16"/.080"	Stock Length, Hardened	7.800"
COM7693-16	5/16"/.080"	+ .100", Hardened	7.900"
COM7694-16	5/16"/.080"	+ .150", Hardened	7.950"
COM7695-16	5/16"/.080"	+ .200", Hardened	8.000"
COM7472-16	5/16"/.080"	+ .350", Hardened	8.150"
<b>SB Ford 351W, 1969-78</b>			
COM7472-16	5/16"/.080"	Stock Length, Hardened	8.150"

## Hi-Tech Pushrods

One-piece ball-type pushrods in 5/16" or 3/8" wall, seamless 4130 chrome moly are heat treated to a hardness of 60 (Rockwell "C") and black oxide finished for strength and durability. Pushrods are available in 5/16" dia./0.080" wall, 5/16" dia./0.105" wall, 3/8" dia./0.080" wall and 3/8" dia./0.135" wall. Length is etched on each pushrod. Sold in sets of 16 (-16 suffix), but may be ordered individually (-1 suffix).

Description	Length	5/16" Dia./ .080" Wall Part No.	5/16" Dia./ .105" Wall Part No.	3/8" Dia. .080" Wall Part No.	3/8" Dia. .135" Wall Part No.
<b>Small Block Chevy</b>					
- .100" Short	7.700"	COM7963-16	COM8409-16	-	-
- .050" Short	7.750"	COM7970-16	COM8410-1	-	-
Std. Length	7.800"	COM7972-16	COM8411-16	COM7913-16	COM8460-16
+ .050" Long	7.850"	COM7974-16	COM8412-1	COM7980-1	COM8476-1
+ .100" Long	7.900"	COM7993-16	COM8413-16	COM7984-16	COM8473-16
+ .150" Long	7.950"	COM7994-16	COM8414-16	COM7981-1	COM8474-16
+ .200" Long	8.000"	COM7995-16	COM8415-16	COM7983-1	COM8475-16
+ .250" Long	8.050"	COM7996-16	COM8416-1	COM7985-1	COM8477-1
+ .300" Long	8.100"	COM7997-16	COM8417-1	COM7986-1	COM8478-1
<b>Small Block Ford 351W, 1969-78</b>					
- .050" Short	8.100"	COM7997-16	COM8417-1	COM7986-1	COM8478-1
Std. Length	8.150"	COM7965-16	COM8418-1	COM7987-1	-
+ .050" Long	8.200"	COM7966-16	COM8419-1	-	-

## Pushrod Length Checker COM7901-1

Determine correct pushrod length quickly and easily when building race engines. Made from a thin wall 5/16" pushrod that is cut and threaded. Checker has 5/16" ball on each end and extends from 7.5" to 8.7".

## Pushrod Guide Plates

A must for the high lift and spring pressure of performance engines, guide plates are designed using a stereolithographic process for ultimate fit. Exact stud placement and rounded contact points are two outstanding features of the black-oxidized guide plates. Sold in sets of 8.



Part No.	Description	Type	Pushrod Size
COM4800-8	SB Chevy 265-400	Raised	5/16"
COM4808-8	SB Chevy 265-400	Flat	5/16"
COM4810-8	SB Chevy 265-400	Flat	3/8"
COM4816-8	SB Ford 289-351W	Flat	5/16"

## Adjustable Pushrod Guide Plates

Often required when cylinder heads have relocated intake ports, guide plates may be welded after final adjustments. Sold in sets of eight.



Part No.	Description	Type	Pushrod Size	Stud Dia.
COM4835-8	SB Chevy/SB Ford, 2-Pc.	Flat	5/16"	7/16"
COM4837-8	SB Chevy 265-400	Flat	3/8"	7/16"

## Valve Train Assembly Spray COM106

Lubricant clings to components to protect valve springs, rocker arms and pushrods at initial start-up.

Ground Shipment Only





## High Energy Rocker Arms

Ideal for oval track racing classes requiring OEM type, stamped steel rocker arms. Sold in sets of 16 with adjusting nuts and pivot balls when required.



Part No.	Description	Rocker Stud	Rocker Ratio
COM1212-16	SB Chevy 265-400	3/8"	1.5
COM1217-16*	SB Chevy 265-400	3/8"	1.5
COM1218-16	SB Chevy 265-400	3/8"	1.6
COM1220-16	SB Chevy 265-400	7/16"	1.5
COM1270-8	Ford 2300cc 4-Cyl.	OHC	N/A

\* Nitrided for added strength

## Magnum Roller Rocker Arms

Magnum roller rockers have a low friction roller tip to reduce valve tip and guide wear. The stiffer cross section prevents "flex" and increases valve lift (good for 15-30 more horsepower). Sold in sets of 16 with adjusting nuts.



Part No.	Description	Rocker Stud	Rocker Ratio
COM1412-16	SB Chevy 265-400	3/8"	1.52
COM1416-16 <sup>A</sup>	SB Chevy 265-400	3/8"	1.6
COM1417-16 <sup>B</sup>	SB Chevy 265-400	3/8"	1.52
COM1418-16 <sup>B</sup>	SB Chevy 265-400	3/8"	1.6
COM1431-16 <sup>C</sup>	Ford 289-351W Rail Type, 1968-89	3/8"	1.6
COM1442-16 <sup>D</sup>	Ford 289-351W Non-Rail, 1961-67	3/8"	1.6

**A:** May require cylinder head machine work.

**B:** For use on 1987-up self-aligning.

**C:** For 1978-up use COM4504-16.

**D:** Can be used with guide plates

## High Energy Die-Cast **NEW!** Aluminum Roller Rocker Arms

Affordable rocker arms have die-cast aluminum bodies. Needle-bearing fulcrums and roller bearings reduce friction and decrease oil temperature. Sold in sets of 16.



Part No.	Description	Rocker Stud	Rocker Ratio
COM17001-16	SB Chevy 265-400	3/8"	1.5
COM17002-16	SB Chevy 265-400	3/8"	1.6
COM17004-16	SB Chevy 265-400	7/16"	1.5
COM17005-16	SB Chevy 265-400	7/16"	1.6
COM17043-16	SB Ford 289-351W	3/8"	1.6
COM17044-16	SB Ford 289-351W	7/16"	1.6

## Ultra-Gold Aluminum Roller Rocker Arms

CNC-machined aluminum roller rockers are rigid, provide sufficient clearance for 1.650" O.D. valve springs and can withstand extremely high spring pressures and lifts. Sold in sets of 16.



Part No.	Description	Rocker Stud	Rocker Ratio
COM19001-16 <sup>A</sup>	SB Chevy 265-400	3/8"	1.5
COM19002-16 <sup>A</sup>	SB Chevy 265-400	3/8"	1.6
COM19004-16 <sup>A,B</sup>	SB Chevy 265-400	7/16"	1.5
COM19005-16 <sup>A,B</sup>	SB Chevy 265-400	7/16"	1.6
COM19043-16	SB Ford 289-351W	3/8"	1.6
COM19044-16 <sup>B</sup>	SB Ford 289-351W	7/16"	1.6

**A:** Will not replace late model rail rocker.

**B:** Must use screw-in studs and guide plates.

## Ultra Pro Magnum Roller Rocker Arms

Ultra Pro Magnum's rigid, web-like design reduces moment of inertia. Made of 8650 chrome moly and finished in black oxide, rocker arms have oversized trunnions, sorted needle bearings and hardened roller tips. Sold in sets of 16.



Part No.	Description	Rocker Stud	Rocker Ratio
COM1601-16	SB Chevy 265-400	3/8"	1.52
COM1602-16	SB Chevy 265-400	3/8"	1.6
COM1604-16	SB Chevy 265-400	7/16"	1.52
COM1605-16	SB Chevy 265-400	7/16"	1.6
COM1617-16	SB Chevy 305-350, 1988-Up Self-Aligning Rockers	3/8"	1.52
COM1618-16	SB Chevy 305-350, 1988-Up Self-Aligning Rockers	3/8"	1.6
COM1631-16	SB Ford 289-351W	3/8"	1.6
COM1632-16	SB Ford 289-351W	7/16"	1.6

## Ultra Pro Magnum XD Roller Rocker Arms **NEW!**

The next design in the evolution of steel stud mount rocker arms, Ultra Pro Magnum XD rockers offer increased strength and unsurpassed durability. Rocker arms are made of 8650 steel with super accurate ratios, billet pushrod seat inserts, precision-sorted needle bearings and hardened roller tips. Compatible with most diameter valve springs and retainers. Covered by a lifetime guarantee against breakage. Sold in sets of 16.



Part No.	Description	Rocker Stud	Rocker Ratio
COM1801-16	SB Chevy 265-400	3/8"	1.5
COM1804-16	SB Chevy 265-400	7/16"	1.5
COM1805-16	SB Chevy 265-400	7/16"	1.6
COM1832-16	SB Ford 289-351W	7/16"	1.6

## Rocker Arm Adjusting Nuts

Alloy nuts provide ultimate strength and locking force. Stud girdle polylocks are ground for minimum runout and tapered for extra strength in the locking area. Sold in sets of 16.



Part No.	Description	Stud Size
COM4508-16	Stud Girdle Adjusting Nuts	7/16"
COM4600-16	Hi-Tech Polylock For Aluminum/Stainless/Pro Magnum Rockers	7/16"
COM4601-16	Hi-Tech Polylock For Aluminum/Stainless/Pro Magnum Rockers	3/8"
COM4602-16	Magnum Polylock	3/8"
COM4603-16	Magnum Polylock	7/16"
COM4604-16	High Energy Polylock	3/8"
COM4610-16	Rocker Arm Adjusting Kit For SB Ford With Non-Adjust. Rockers	5/16"



Josh Stade

Photo By: John Berglund



## Hi-Tech Endurance Valve Springs

The ultimate valve springs for oval track engines. Developed after hundreds of hours of dyno and track testing. Sold in sets of 16.

Part No.	Description	I.D.	Seat Load	Open Load	Coil Bind	Rate Lbs./In.	Titanium Retainer	Steel Retainer	Cup Seat	Shims
COM925-16	1.510" Dual Spring With Damper	.697"	111 @ 1.900"	388 @ 1.200"	1.175"	395	COM732/721	COM741	COM4700/4783/4771	COM4757
COM932-16	1.560" Dual Spring With Damper	.750"	200 @ 2.000"	513 @ 1.300"	1.160"	452	COM738	COM748	COM4700/4772	COM4757
COM938-16	1.540" NASCAR	.730"	210 @ 1.900"	516 @ 1.250"	1.200"	480	COM738	COM741	COM4700/4778	COM4757
COM941-16	1.260" Single Spring With Damper	.871"	135 @ 1.750"	350 @ 1.250"	1.100"	443	COM728	COM750	N/A	COM4753
COM943-16	1.550" Inter-Fit Pacaloy	.812"	240 @ 1.900"	598 @ 1.250"	1.160"	551	COM731/720	N/A	COM4785/4777	COM4757
COM26055-16	1.585" Single Beehive	.731"	150 @ 1.925"	410 @ 1.275"	1.225"	400	COM785	N/A	COM4711	COM4757
COM26089-16	1.550" Dual Spring, Roller Applications	.812"	230 @ 2.000"	580 @ 1.300"	1.230"	500	COM731/720	N/A	COM4777/4700/4785	COM4757
COM26094-16	1.550" Dual Spring With Damper, Flat Tappet	.752"	174 @ 1.900"	452 @ 1.275"	1.200"	445	COM732/721	COM749	COM4772/4773/4700	COM4757
COM26099-16	1.625" Dual Spring, Roller Applications	.769"	245 @ 2.050"	693 @ 1.250"	1.184"	561	COM733	N/A	COM4774/4775/4702	COM4757
COM26115-16	1.549" Dual Spring, Roller Applications	.719"	228 @ 2.050"	636 @ 1.300"	1.192"	544	COM732	COM748	COM4700/4781/4782	COM4757
COM26986-16*	1.412" Single Beehive	.650"	123 @ 1.750"	284 @ 1.175"	1.060"	280	COM788	COM787	COM4696	COM4755

\* Single Beehive version of COM986 dual spring.



## Dual Valve Spring Assemblies

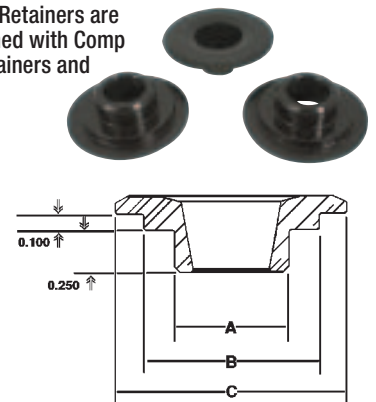
Comp Cams dual valve spring assemblies derive maximum performance from aggressive camshaft profiles in high RPM engines. Sold in sets of 16.

Part No.	Description	I.D.	Seat Load	Open Load	Coil Bind	Rate Lbs./In.	Titanium Retainer	Steel Retainer	Cup Seat	Shims
COM924-16	1.510" 2-Spring With Damper	.700"	112 @ 1.900"	355 @ 1.200"	1.200"	347	COM732/721	COM741	COM4700/COM4770	COM4757
COM929-16	1.540" 2-Spring Assembly	.755"	150 @ 1.880"	415 @ 1.280"	1.180"	442	COM732/721	COM741	COM4700/4772/4773	COM4757
COM939-16	1.540" NASCAR	.700"	138 @ 1.950"	419 @ 1.350"	1.225"	462	COM732/721	COM741	COM4700/4770/4771/4783	COM4757
COM950-16	1.470" 2-Spring Assembly	.720"	133 @ 1.900"	332 @ 1.300"	1.200"	333	COM730	COM740/743	COM4781/4782	COM4755
COM954-16	1.525" 2-Spring Assembly	.761"	210 @ 1.900"	523 @ 1.250"	1.178"	483	COM732/721	COM741	COM4700/4781/4782	COM4757
COM985-16	1.430" 2-Spring	.700"	165 @ 1.750"	346 @ 1.250"	1.150"	366	COM730	COM740	N/A	COM4754
COM986-16	1.430" 2-Spring	.697"	132 @ 1.750"	293 @ 1.250"	1.150"	322	COM730	COM740	N/A	COM4754
COM987-16	1.430" 2-Spring	.697"	121 @ 1.800"	343 @ 1.200"	1.150"	370	COM730	COM740	N/A	COM4754
COM999-16	1.550" H-11 Spring Assembly	.724"	196 @ 1.900"	671 @ 1.150"	1.090"	633	COM732/721	N/A	COM4700/4781/4782	COM4757

## Steel Retainers

Comp Cams steel retainers can handle the higher pressures developed by large diameter valve springs. Retainers are machined from 4140 chrome moly, finished in black oxide and designed for positive location when combined with Comp Cams high quality valve springs. For superior strength and stability, Comp Cams also offers 10 degree retainers and 10 degree valve locks. Sold in sets of 16.

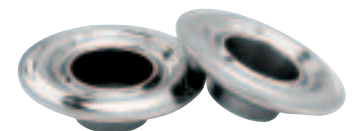
Part No.	Description	Lock Angle	Valve Stem Size	Valve Spring Diameter	Dimensions		
					A	B	C
COM740-16	Super Lock Retainer	10°	All	1.437"-1.500"	.690"	1.060"	1.400"
COM741-16	Super Lock Retainer	10°	All	1.500"-1.550"	.690"	1.115"	1.500"
COM742-16	Chevy 283-400	7°	11/32"	1.250"	.650"	.870"	1.230"
COM743-16	Chevy, SB Ford	7°	11/32"	1.437"-1.500"	.690"	1.060"	1.400"
COM747-16	Super Lock Retainer	10°	All	1.437"-1.500"	.690"	1.050"	1.400"
COM748-16	Super Lock Retainer	10°	All	1.500"-1.550"	.710"	1.095"	1.500"
COM749-16	Super Lock Retainer	10°	All	1.500"-1.550"	.745"	1.125"	1.500"
COM750-16	Super Lock Retainer	10°	All	1.250"	.735"	.870"	1.240"
COM768-16	Ford Applications	7°	11/32"	1.437"-1.500"	.690"	1.030"	1.400"



## Lightweight Tool Steel Retainers

Cost effective retainers are approximately 1/3 the weight of chrome moly steel retainers and only 2-4 grams heavier than titanium units. FEA and CAD designed for the perfect balance of strength and weight, retainers are CNC-machined from exceptionally dense tool steel. Offered for 7° and 10° valve locks. Sold in sets of 16.

Part No.	Description	Lock Angle	Valve Stem Size	Valve Spring Diameter	Dimensions		
					A	B	C
COM1730-16	LW Retainers	10°	All	1.437"-1.500"	1.437"	1.065"	.700"
COM1731-16	LW Retainers	10°	All	1.500"-1.550"	1.437"	1.100"	.800"
COM1732-16	LW Retainers	10°	All	1.500"-1.550"	1.500"	1.110"	.710"
COM1754-16	LW Retainers	7°	Stock	1.250"	1.235"	.860"	.610"
COM1756-16	LW Retainers	10°	All	1.055"-1.290"	1.050"	.725"	N/A
COM1772-16	LW Retainers	7°	Stock	1.055"-1.290"	1.030"	.640"	N/A
COM1779-16	LW Retainers	7°	Stock	1.290"	1.172"	.910"	.646"

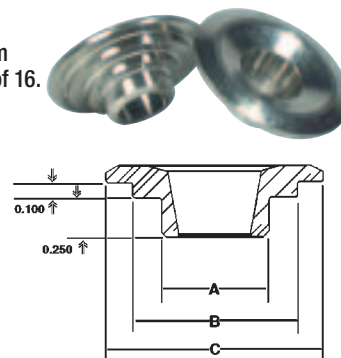




## Titanium 10° Retainers

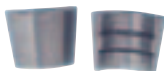
Titanium is stronger and lighter than steel and can stand up to high pressure springs. American made from the finest 6AL4V alloy for maximum stiffness and minimal warpage. See chart for dimensions. Sold in sets of 16.

Part No.	Description	Lock Angle	Valve Stem Size	Valve Spring Diameter	Dimensions		
					A	B	C
COM720-16	Double Lightweight	10°	All	1.500-1.550"	.798"	1.198"	1.437"
COM721-16	Double Lightweight	10°	All	1.500-1.550"	.708"	1.108"	1.437"
COM729-16	Double Super Lock Retainer	10°	All	1.500"-1.550"	.730"	1.135"	1.500"
COM730-16	Double Super Lock Retainer	10°	All	1.437"-1.500"	.700"	1.065"	1.437"
COM731-16	Double Interference Super Lock Retainer	10°	All	1.500"-1.550"	.800"	1.100"	1.437"
COM732-16	Double Super Lock Retainer	10°	All	1.500"-1.550"	.710"	1.110"	1.500"
COM733-16	Double Super Lock Retainer	10°	All	1.625"	.765"	1.180"	1.500"
COM735-16	Triple Super Lock Retainer	10°	All	1.625"	.870"	1.180"	1.500"
COM738-16	Double Super Lock Retainer	10°	All	1.500"-1.550"	.730"	1.120"	1.500"



## Valve Locks

7° Locks are recommended for light valve spring loads. Valve locks are available in hardened or premium machined steel versions for wear resistance and offer the same accurate valve spring location as Super Locks with no need to change to 10° retainers. Sold in sets of 16 pair (32 pieces).



Part No.	Description	Lock Angle	Valve Stem Size
COM600-16	Hardened Steel, Single Groove	7°	5/16"
COM601-16	Hardened Steel, Single Groove	7°	11/32"
COM648-16	Machined Steel, Single Groove	7°	11/32"

## Super Locks

Super Locks are machined with a 10° angle for better load distribution over the retainer to eliminate "pull through". Super Locks fit any Comp 10° retainer. Sold in sets of 16 pair (32 pieces).



Part No.	Description	Lock Angle	Valve Stem Size
COM611-16	Lock With Lash Cap Recess	10°	11/32"
COM613-16	Lock Without Lash Cap Recess	10°	11/32"
COM614-16	Lock +.050" Inst. Ht. Without Lash Cap Recess	10°	11/32"
COM618-16	Lock With Lash Cap Recess	10°	.310"
COM630-16	Lock - .050" Inst. Ht. With Lash Cap Recess	10°	11/32"

## Titanium Super Locks

Manufactured from lightweight, yet durable titanium. Locks include a 10° angle and fit any Comp 10° retainer. Sold in sets of 16 pair (32 pieces).



Part No.	Description	Lock Angle	Valve Stem Size
COM637-16	Lock With Lash Cap Recess	10°	5/16"
COM638-16	Lock With Lash Cap Recess	10°	11/32"

## Lash Caps

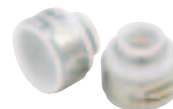
Special hardened steel lash caps protect the tips of valve stems, especially when a radical cam profile with lots of duration and valve lift has been selected.



Part No.	Description	Thickness	Valve Stem Size
COM620-16	Hardened Lash Cap	.080" Thick	5/16"
COM621-16	Hardened Lash Cap	.080" Thick	11/32"

## Valve Stem Oil Seals

Seals prevent oil from entering the combustion chamber. Use O-Ring seal with standard retainer and oil splash shield. Use umbrella seals with larger-than-stock diameter springs, and positive-stop PTFE seals for double springs. PTFE seals require machining; others do not.



Part No.	Description	Guide Size	Valve Stem Size
COM500-16	Positive Stop PTFE	.530"	5/16"
COM501-16	O-Ring	Stock	11/32"
COM502-16	Umbrella	Stock	11/32"
COM503-16	Positive-Type PTFE	.530"	11/32"
COM506-16	Triple Spring Viton	.494"	11/32"
COM529-16	Metal Body Viton	.530"	11/32"

## Valve Spring Shim Variety Packs

Part No.	Thickness	Quantity	O.D.
COM4753	.015", .030", .060"	16 Each Size	1.250"
COM4754	.015", .030", .060"	16 Each Size	1.437"
COM4755	.015", .030", .060"	16 Each Size	1.480"
COM4757	.015", .030", .060"	16 Each Size	1.500"
COM4756	.015", .030", .060"	16 Each Size	1.640"



## Valve Spring Seat Cups And Locators

Comp Cams' spring seat cups and locators can withstand the extreme spring pressures and high RPM generated by modern race engines. Hardened alloy seats protect the head and shim. They also locate and hold the spring in place. Sold in sets of 16.



Part No.	Description	Thk.	I.D.	O.D.	Fits Spring O.D.	Fits Spring I.D.
COM4700-16	Spring Seat Cup	.060"	.640"	1.670"	1.565"	-
COM4702-16	Spring Seat Cup	.060"	.640"	1.730"	1.650"	-
COM4704-16	Spring Seat Cup	.060"	.640"	1.570"	1.475"	-
COM4708-16	Spring Seat Cup	.060"	.640"	1.780"	1.690"	-
COM4770-16	Spring Locator	.060"	.585"	1.500"	-	.690"
COM4771-16	Spring Locator	.060"	.570"	1.550"	-	.690"
COM4772-16	Spring Locator	.060"	.570"	1.550"	-	.750"
COM4773-16	Spring Locator	.060"	.630"	1.550"	-	.750"
COM4774-16	Spring Locator	.060"	.570"	1.625"	-	.765"
COM4775-16	Spring Locator	.060"	.630"	1.625"	-	.765"
COM4776-16	Spring Locator	.060"	.570"	1.550"	-	.790"
COM4777-16	Spring Locator	.060"	.630"	1.550"	-	.790"
COM4778-16	Spring Locator	.060"	.570"	1.550"	-	.730"
COM4780-16	Spring Locator	.060"	.630"	1.550"	-	.730"
COM4781-16	Spring Locator	.060"	.570"	1.550"	-	.715"
COM4782-16	Spring Locator	.060"	.630"	1.550"	-	.715"
COM4783-16	Spring Locator	.060"	.630"	1.550"	-	.690"
COM4784-16	Spring Locator	.060"	.570"	1.550"	-	.735"
COM4785-16	Spring Locator	.060"	.570"	1.550"	-	.810"
COM4786-16	Spring Locator	.060"	.570"	1.635"	-	.870"





## Rocker Arm Studs

Choose from three series of rocker studs. High Energy and Magnum rocker studs work well with moderate valve lift and spring pressures. The Hi-Tech Race studs are ideal for high RPM roller cam equipped race cars. Sold in sets of 16.



Part No.	Description	Base Thread		Stud Size	Stud Length
		Size	Length		
COM4500-16	High Energy Studs	7/16"	.680"	3/8"	1.750"
COM4501-16	High Energy Studs	7/16"	.680"	7/16"	1.750"
COM4502-16	Magnum Studs	7/16"	.680"	3/8"	1.750"
COM4503-16	Magnum Studs	7/16"	.750"	7/16"	1.750"
COM4504-16	Magnum Ford Studs	5/16"	.680"	3/8"	1.750"
COM4505-16	Hi-Tech Race Studs	7/16"	.680"	3/8"	1.750"

## Stud Girdles

Stud girdles are made of rugged 6061-T6 aluminum, and tie the rocker studs together for alignment and durability. Sold in pairs. Complete with nuts.



Part No.	Description	Stud Size
COM4004	SB Chevy Spring Loaded	7/16"
COM4007	SB Chevy Solid Bar	3/8"
COM4009	SB Chevy Solid Bar	7/16"
COM4014	SB Ford 289-302, 351W Standard Head	7/16"
COM4018	SB Chevy Spring Loaded, 40/60 Spacing	7/16"

## Carbon Ultra-Poly Composite Distributor Gears

Carbon Ultra-Poly, a super tough material, solves many of the wear issues associated with bronze gears in racing engines. Gears have undergone extensive on-track testing with positive results.



Part No.	Description
COM12140	Chevrolet V-8, All With .500" Dia. Shaft
COM12200	Chevrolet V-8, All With .491" Dia. Shaft
COM35100	Ford V-8, All With .530" Dia. Shaft
COM35200	Ford V-8, All With .467" Dia. Shaft

## Bronze Distributor Gears

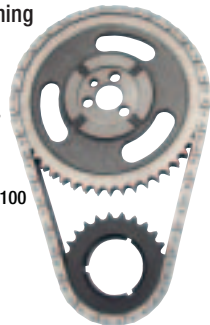
A necessity when using a roller camshaft. Gears are high strength, made from Ampco-45 extruded aluminum bronze to resist wear.



Part No.	Description
COM410	SB And BB Chevy, .500" Dia.
COM412	SB And BB Chevy, .491" Dia.
COM431	Ford 260-351W, .467" Dia.

## Double Roller Timing Chain Sets

Comp offers a variety of true, double roller timing sets. Magnum sets are ideal for "claimer" or mild racing applications, while Hi-Tech sets are designed for serious racing. Each set features hardened iron camshaft gear, three keyway billet steel crank sprocket and heat treated, true double roller timing chain.



Part No.	Description	COM3100
<b>Magnum Timing Chain Sets</b>		
COM2100	SB Chevy, 1955-91 Exc. OEM Roller Cam	
COM2135*	SB Ford 351W, 1969-84	
COM2138*	SB Ford 302-351W, 1984-92	

Part No.	Description
COM3100	SB Chevy, 1955-91 Exc. OEM Roller Cam
COM7100*	SB Chevy, Includes Billet Steel Cam Gear And Thrust Bearing

\* Accommodates two-piece fuel eccentric.

# Includes billet steel cam gear, thrust bearing and 9 keyway crank sprocket.

## Cam Lock Plate COM4605

Cam lock plate holds the cam bolts firmly in place. Fits big and small block Chevys.



## Thrust Buttons

Cam thrust buttons ride between the front of the timing gear and the back of the timing cover to hold the cam in its proper location. Available in solid nylon and roller thrust bearing versions.



Part No.	Description
COM200	Roller Button SBC 265-400 C.I., .795" Length
COM202	Nylon Thrust Button SBC 265-400, 90° V-6, .810" Length

## Thrust Bearings And Wear Plates

Prevents wear at the front of the block. Minor machining is required when used with a stock type timing set.



Part No.	Description
COM201	SB Chevy 265-400 Wear Plate, .030" Thick
COM3120TB	SB Ford 289-351W OEM Cam Plate and Single Bearing

## Degree Bushings

Bushings accurately position the camshaft and provide the easiest way to change the degree of the cam. Five per package. Requires 13/32" drill bit for installation.



Part No.	Description
COM4760	Bushing Set (0°, 2°, 4°, 6°, 8°)
COM47602	Bushing, 2°, 5-Pack
COM47604	Bushing, 4°, 5-Pack

## Fuel Pump Push Rods

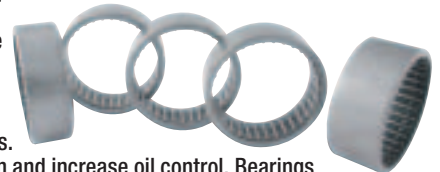
Available for use with cast or roller camshafts. Pushrods fit small and big block Chevy.



Part No.	Description
COM4607	Lightweight With Bronze Tip For Roller Cams
COM4616	Lightweight With Steel Tip For Cast Iron Cams

## SB Chevy Roller Cam Bearing Kit COM350RCB-KIT

Steel jacketed, needle roller bearings are encapsulated for easy installation in place of traditional cam bearings. Kit will decrease friction and increase oil control. Bearings fit all small block Chevys and small block 360 Chryslers with #1 through #5 camshaft journal diameters of 1.968".



Brian Bergakker

Photo By: John Berglund

# COOL SHIRT.

## Cool Shirt Personal Cooling System

Eliminate heat-induced fatigue and gain a competitive edge with a Cool Shirt system. Maintaining a comfortable core body temperature reduces dehydration and increases mental awareness for faster decision making and reaction time. Add ice and water to the cooling unit, and the pump will supply cool water to 40% of the body. Includes 8' of insulated hose with quick disconnects. Choice of four systems. Shirts are sold separately.

## “Our Famous” Club System

### CSTCS-12

The 12 qt. Club System maximizes driver comfort. Unit is 14" long x 9-1/2" wide x 11" high and delivers over three full hours of cooling time. Cool Shirt must be purchased separately. Requires only 1.8 amp/12 volt power.



## Round System CSTRS-10

The Round System has a smaller “footprint” and is designed for limited space. The threaded lid eases filling and draining and eliminates spills. Very portable, and a track favorite. Unit is 13" high x 8-1/2" diameter and offers two hours of cooling time. Cool Shirt must be purchased separately. Requires only 1.8 amp/12 volt power.



## Portable Bag System/6-Pack

### CSTBS-6

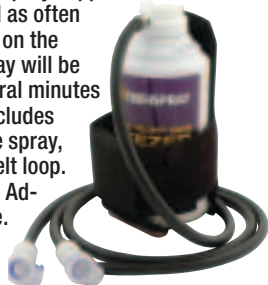
Portable Bag System can easily be secured to any cockpit. The double insulated pump can be connected to any switched 12 volt power source. Bag dimensions are 15" long x 6.5" wide x 9.5" high. Cool Shirt must be purchased separately. Requires only 1.8 amp/12 volt power.



## Port-A-Cool Portable Cooling CSTPCA-K

The Port-A-Cool system kit uses freeze spray supplied from an aerosol can. The system can be activated as often as needed by the user. Depress the valve on the spray can for a few seconds, and the spray will be circulated through the Cool Shirt for several minutes of immediate heat relief. Basic system includes all fittings and tubing to supply the freeze spray, one can of spray and a can holder with belt loop. Cool Shirt must be purchased separately. Additional cans of freeze spray are available.

**Part No. Description**  
CSTPC-C .....Replacement Port-A-Cool Can



Performance Racing Group

## 2Cool Shirt **NEW!**

The original Cool Shirt just got better due to improved material and tubing designs. The compression design and moisture wicking fabric keeps the driver cool, increases circulation, stamina, and won't weigh him down, while the patented new tubing design has proven to increase cooling by 50%. Offered in blue only.



Personal cooling system must be purchased separately.

**Part No. Size**  
CST2CW-M.....Medium  
CST2CW-L.....Large  
CST2CW-XL.....X-Large

## Cool Shirts

Compatible with all Cool Shirt systems, shirts are available in three styles; white cotton short sleeved, blue cotton short sleeved, and Firewear long sleeved.



Firewear's unique fiber emits a noncombustible gas when exposed to flame which smothers the flame much like a fire extinguisher. Up to 50 ft. of medical grade capillary tubing is securely stitched to the front and back of each shirt.

Size	Blue Cotton Short Sleeved	White Cotton Short Sleeved	Firewear Long Sleeved
Small	CSTBCW-SM	CSTCW-S	-
Medium	CSTBCW-MED	CSTCW-M	CSTFWS-LS-MED
Large	CSTBCW-LG	CSTCW-L	CSTFWS-LS-LG
X-Large	CSTBCW-XL	CSTCW-XL	CSTFWS-LS-XL
XX-Large	CSTBCW-XXL	CSTCW-XXL	CSTFWS-LS-XXL

## Mounting Tray With Strap CSTMT-12

14" x 9" tray secures Club or round Cool Shirt systems. Mount to chassis. Strap eases removal for cleaning.

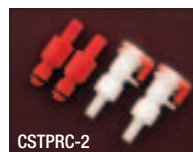


## Temperature Control Switch CSTFC-1

Turn the system on or off and control the speed of the pump to regulate the coolant cycled through the system.



CSTH-8



CSTPRC-2



CSTUK-8

## Cool Shirt Replacement/Accessory Components

**Part No. Description**  
CSTH-8.....Return And Supply Lines, Cooler Assembly To Cool Shirt. 8' Long  
CSTMA-16.....Maintenance Additive System Cleaner, 16 Oz. Bottle  
CSTPRC-2 .....Safety Connector Kit, Converts Standard Cool Shirt Fittings To Quick Disconnect  
CSTUK-8 .....Fitting Kit, Includes (4) Female And (4) Male Connectors, 5/16" Barb, And (6) O-rings



## Racing Camshafts

Application	Cam Part No.	Cam and Kit Part No.	Grind No.	Recommended Basic RPM	Comp. Ratio	Duration @.050"		Degree Lobe Separation	Advertised Duration		Valve Lash		Valve Lift	
						Int.	Exh.		Int.	Exh.	Int.	Exh.	Int.	Exh.
<b>SB Chevy Hydraulic Cams</b>														
Street Stock, Enduro, Hobby 1/4 To 3/8 Mile Track	CRN100172	-	274 H06	1800-5400	8.75-10:1	218°	218°	106°	274°	274°	.000"	.000"	.450"	.450"
Street Stock, Enduro, Hobby, 1/4 To 3/8 Mile Track	CRN110591	CRN110592 <sup>A</sup>	H-228/3200-2S-6	2800-6200	10.0 to 11.5	228°	234°	106°	284°	290°	.000"	.000"	.480"	.494"
Street Stock, Enduro, Hobby, 1/4 To 3/8 Mile Track	CRN110691	CRN110692 <sup>A</sup>	H-238/3347-2S-6	3200-6400	10.5 to 12.0	238°	244°	106°	294°	300°	.000"	.000"	.502"	.516"
Street Stock, Enduro, Hobby, 3/8 To 1/2 Mile Track	CRN110741	-	H-244/3439-2S-6	3400-6800	10.5 to 12.0	244°	252°	106°	300°	308°	.000"	.000"	.516"	.525"
Street Stock, Enduro, Hobby 3/8 To 1/2 Mile Track	CRN10011	CRN100112 <sup>B</sup>	302 H06	3400-7000	10.5-12:1	246°	246°	106°	302°	302°	.000"	.000"	.500"	.500"
<b>SB Chevy Mechanical Cams</b>														
Late Model, Sportsman, WISSOTA, IMCA, UMP, 1/4 To 3/8 Mi.	CRN110921	CRN110922 <sup>A</sup>	F-244/3454-2S-6	3200-6800	10.5 to 12.0	244°	252°	106°	280°	288°	.026"	.026"	.518"	.536"
Late Model, Sportsman, WISSOTA, IMCA, UMP, 3/8 To 1/2 Mi.	CRN110981	CRN110982 <sup>A</sup>	F-252/3574-2S-6	4000-7000	11.5 to 12.5	252°	260°	106°	288°	296°	.026"	.026"	.536"	.554"
Late Model, Sportsman, IMCA, 3/8 To 1/2 Mile Track	CRN111411	-	F-256/3634-2S-5	4200-7200	11.5 to 12.5	256°	264°	105°	292°	300°	.026"	.026"	.545"	.563"
Late Model, Sportsman, IMCA, 3/8 To 1/2 Mile Track	CRN111431	-	F-260/3694-2S-6	4400-7400	11.5 Min.	260°	268°	106°	296°	304°	.026"	.026"	.554"	.572"
Late Model, Sportsman, IMCA, 3/8 To 1/2 Mile Track	CRN111451	-	F-260/370-2-6	4500-7500	11.5 Min.	260°	270°	106°	295°	305°	.026"	.028"	.555"	.578"
<b>SB Chevy Roller Cams</b>														
Good Mid-Range Torque/HP, 1/4 To 3/8 Mile Track	CRN118131	-	TR-242/3867-2S-6	3600-7200	11-12.5:1	242°	250°	106°	282°	290°	.022"	.022"	.580"	.600"
Late Model With Comp Motor, 1/4 To 3/8 Mile Track	CRN118741	-	R-248/420-2S2-6	3800-7200	11.0 to 12.5	248°	256°	106°	280°	288°	.020"	.020"	.630"	.630"
Late Model With Comp Motor, 1/4 To 3/8 Mile Track	CRN118751	-	R-252/420-2S-6	4000-7400	11.0 to 12.5	252°	260°	106°	284°	292°	.020"	.020"	.630"	.630"
Late Model With Comp Motor, 1/4 To 3/8 Mile Track	CRN118831	-	R-260/420-2 S2-6	4200-8000	11.5 Min.	260°	264°	106°	292°	296°	.020"	.020"	.630"	.630"
<b>SB Ford 221-302 Mechanical Cam, 1962-87 and 1988-95 trucks (Except 1982-95 5.0L H.O.)</b>														
Late Model, Sportsman 3/8 To 1/2 Mile Track	CRN364681	CRN364682 <sup>A</sup>	F-280-2	3200-7000	11-12.5:1	244°	252°	108°	280°	288°	.026"	.026"	.553"	.572"

Application	Cam Part No.	Followers Part No.	Grind No.	Recommended Basic RPM	Comp. Ratio	Duration @.050"		Degree Lobe Separation	Adv. Duration		Valve Lash		Valve Lift	
						Int.	Exh.		Int.	Exh.	Int.	Exh.	Int.	Exh.
<b>Ford 2000/2300cc OHC 4-Cylinder Mechanical Cams, 1974-87 Mini Stock Moderate Comp.</b>														
Long Oval Track	CRN192221	CRN19800-8	FOR-300-8	3400-7200	11-12.5:1	264°	264°	108°	300°	300°	.010"	.010"	.510"	.510"
Mini Stock Competition Long Oval Track	CRN192241	CRN19800-8	FOR-310-8	4000-7600	12.0 Min.	274°	274°	108°	310°	310°	.010"	.010"	.535"	.535"

**A:** Includes Cam, Lifters, Springs, Assembly Lube and Decals.

**B:** Cam and lifter kit, includes assembly lube and decals.

## Mechanical Roller Lifters

Original series lifters are made of high quality steel for increased body stiffness with maximum lifter bore contact area for improved wear resistance. Weight has been removed from non-critical areas.



Part No.	Application and Features
<b>SB Chevy 1955-00</b>	
CRN11515-16	Standard .842" Lifter Dia., Horizontal Bar
CRN11519-16	Standard .842" Lifter Dia., Vertical Locking Bar
<b>Ford V-8</b>	
CRN44518-16	221, 260, 289, 302, Boss 302, 351W, Vertical Bar
CRN44518-16	302 SVO And 351 SVO Blocks, Vertical Locking Bar

## Ultra-Pro Series 8620 Alloy Mechanical Roller Lifters

Ultra-Pro Series lifters are lighter, stronger and more reliable than conventional mechanical roller lifters. Constructed from premium 8620 alloy steel, CNC-machined lifters use a "four column" design to minimize weight, and maintain strength and rigidity. Lifters have been thoroughly proven in extensive Spintron testing. Sold in sets of 16.



Part No.	Description	Lifter Dia.	Pushrod Seat
CRN11570-16	SB Chevy V-8 262-400	.842"	Standard
CRN11571-16	SB Chevy V-8 262-400	.842"	.180" Offset Int.
CRN11573-16	SB Chevy V-8 262-400	.875"	.180" Offset Int.
CRN44570-16	Ford 221-302, 302 HO, 351W, 351C, 351M-400	.875"	Standard

## “Anti-Pump Up” Hydraulic Lifters

Crane combines engineering quality and computer matched components for reliable and affordable hydraulic lifters. Anti-Pump Up Lifters use a patented oil control check valve for quiet, smooth operation.

**Part No. Description**  
CRN99277-16 ...1955-95 Chevrolet V-8 262-400  
CRN99280-16 ...1962-95 Ford-Merc V-8 221-351W



## Mechanical Lifters

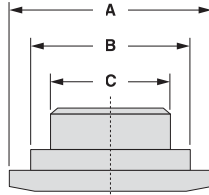
Bodies on Crane Mechanical Lifters are accurately machined to assure long life and durability. Precise oil metering lubricates the rocker arms and related components and eliminates excess oil supply to the rest of the valve train.

**Part No. Description**  
CRN99250-16 ...1955-95 Chevrolet V-8 262-400  
CRN99257-16 ...1962-95 Ford V-8 221-302 And 351W



## 7° Steel Valve Spring Retainers

Retainers are machined from quality steel bar stock, heat treated for strength and durability and then coated with a black oxide finish for corrosion resistance.



Part No.	Valve Stem Dia.	Spring O.D. And Type	Dimensions		
			A	B	C
CRN99915-16	11/32"	1.225" to 1.250" Single or Dual	1.203"	.867"	.607"
CRN99916-16	11/32"	1.225" to 1.250" Single or Dual	1.203"	.867"	.607"
CRN99936-16	11/32"	1.430" to 1.500" Single or Dual	1.375"	1.060"	.675"
CRN99943-16*	11/32"	1.430" to 1.500" Single or Dual	1.375"	1.060"	.675"
CRN99944-16	11/32"	1.430" to 1.500" Single or Dual	1.375"	1.060"	.675"
CRN99953-16	11/32"	1.460" Dual	1.375"	1.075"	.792"
CRN99954-16**	Any	1.460" Dual	1.375"	1.075"	.792"
CRN99955-16**	Any	1.540" to 1.630" Dual or Triple	1.500"	1.135"	.635"
CRN99956-16	11/32"	1.540" to 1.630" Dual or Triple	1.500"	1.135"	.635"
CRN99957-16**	Any	1.430" to 1.500" Dual or Triple	1.375"	1.060"	.675"

\* CRN99943-16 have a .060" taller installed height when compared to CRN99944-16.

\*\* Multi-fit Retainers Require CRN99094-1 Valve Locks.

## Valve Springs

Crane Valve Springs are manufactured with quality spring wire, precisely wound to exacting specifications and checked under stringent quality control procedures. Sold in sets of 16.

Part No.	Damper	Spring Diameter			Recommended Cam Application	Lbs. Seat Pressure @ Installed Height	Lbs. Open Pressure @ Height	Coil Bind
		O.D. Of Outer	I.D. of Outer	I.D. of Inner				
<b>Single Springs</b>								
CRN96801-16	Yes	1.460"	1.060"	—	Hyd. Or Mech.	114 @ 1.800"	287 @ 1.250"	1.139"
CRN99833-16	No	1.440"	1.040"	—	Hyd. Or Mech.	95 @ 1.703"	260 @ 1.200"	1.080"
CRN99835-16	Yes	1.500"	1.086"	—	Hyd. Or Mech.	95 @ 1.625"	280 @ 1.150"	1.000"
CRN99839-16	Yes	1.500"	1.086"	—	Hyd. Or Mech.	90 @ 1.875"	280 @ 1.300"	1.130"
CRN99840-16	Yes	1.460"	1.060"	—	Hyd. Or Mech.	90 @ 1.578"	280 @ 1.100"	.935"
CRN99846-16	Yes	1.255"	.870"	—	Hyd. Or Mech./H-11	115 @ 1.750"	350 @ 1.175"	1.100"
CRN99848-16	Yes	1.255"	.870"	—	Hyd. Or Mech.	105 @ 1.700"	296 @ 1.200"	1.153"
<b>Dual Spring Assemblies</b>								
CRN96886-16	Yes	1.567"	1.129"	.749"	Roller/H-11	230 @ 2.000"	705 @ 1.250"	1.150"
CRN99838-16	No	1.465"	1.091"	.807"	Hyd. Or Mech.	110 @ 1.688"	320 @ 1.208"	.950"
CRN99876-16	Yes	1.565"	1.146"	.740"	Roller	160 @ 1.968"	472 @ 1.270"	1.200"
CRN99884-8	No	1.304"	.937"	.667"	Ford 2300cc SOHC	96 @ 1.650"	230 @ 1.150"	.927"
CRN99885-16	Yes	1.565"	1.129"	.749"	Roller/H-11	225 @ 1.950"	650 @ 1.250"	1.121"
CRN99891-16	No	1.212"	.900"	.674"	Hyd. Or Mech.	84 @ 1.563"	256 @ .970"	.865"
CRN99893-16	No	1.460"	1.075"	.803"	Hyd. Or Mech.	120 @ 1.875"	394 @ 1.175"	1.080"
CRN99895-16	Yes	1.540"	1.140"	.754"	Hyd. Or Mech.	135 @ 1.906"	390 @ 1.306"	1.175"
CRN99896-16	Yes	1.540"	1.140"	.760"	Mech.	132 @ 1.906"	414 @ 1.306"	1.135"

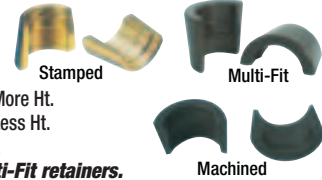


CRN99893-16

## 7° Single Groove Valve Locks

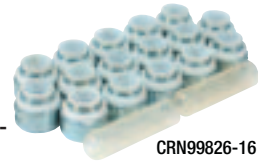
Locks are available in stamped steel, machined and multi-fit versions. Die-stamped alloy steel locks are heat treated. Machined locks are made of steel billet and heat treated, while the Multi-Fit locks have a larger outside diameter for greater strength and durability. All valve locks are packaged 16 to a set.

**Part No. Description**  
CRN99041-1 .....Stamped Steel, 11/32"  
CRN99094-1\* .....Multi-Fit, 11/32"  
CRN99095-1 .....Machined, 11/32", .050" More Ht.  
CRN99096-1 .....Machined, 11/32", .050" Less Ht.  
CRN99097-1 .....Machined, 11/32", Std. Ht.  
\* **Must only be used with Crane Multi-Fit retainers.**



## Valve Stem Seals

PTFE seals provide proper oil control and durability and use a spring loaded wiper to remove excess oil from the valve stem, preventing cylinder contamination. Machining is usually required for installation.



CRN99826-16

Part No.	Stem Dia.	Guide O.D.	Seal O.D.
CRN99820-16	11/32"	.531"	.620"
CRN99824-16	5/16"	.531"	.620"
CRN99826-16	11/32"	.500"	.600"

## Valve Spring Shims

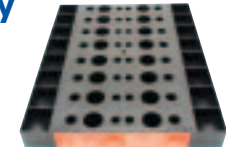
Steel shims are zinc plated for wear resistance and measure 1.480" O.D. x .703" I.D. Offered in thicknesses of .015", .030" and .060".

**Part No. Description**  
CRN99050-1 .....Valve Spring Shims, .015" Thick, 16 Pieces  
CRN99051-1 .....Valve Spring Shims, .030" Thick, 32 Pieces  
CRN99052-1 .....Valve Spring Shims, .060" Thick, 32 Pieces



## Valve Train Organizer Tray CRN99015-1

Lightweight tray accepts rockers, pushrods, adjusting nuts, lifters, and spark plugs. Keeps parts in correct order.





## Nitro Carb Steel Rocker Arms

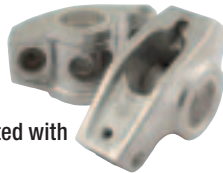
Use where rules require stock type rockers. Nitro Carb Rockers offer 3 to 5 times greater resistance to wear, fatigue and fracture in high stress areas, eliminating pushrod cup and fulcrum failures. Rockers are formed from heat treated steel and incorporate a long slot design. Rockers are not self aligning and must be used with pushrod guideplates. Includes oil groove pivot balls and adjusting nuts.



Part No.	Description	Stud Dia.	Ratio
CRN11801C-16	SB Chevy 1955-87, Extra Long Slot	3/8"	1.5
CRN11802C-16	SB Chevy 1955-87, Extra Long Slot	3/8"	1.6

## Energizer Rocker Arms

Rockers use die formed aluminum bodies fitted with needle bearing fulcrums and roller tips.



Part No.	Description	Stud Dia.	Ratio
CRN11744-16	SB Chevy, 1955-87	3/8"	1.5
CRN11745-16	SB Chevy, 1955-87	7/16"	1.5
CRN11746-16	SB Chevy, 1955-87; SB Ford 221-351W, 1962-00	3/8"	1.6
CRN11747-16	SB Chevy, 1955-87; SB Ford 221-351W, 1962-00	7/16"	1.6
CRN44746-16**	SB Ford 255-302, 1977-00	5/16" Bolt	1.7

\*\* Increased ratio, pedestal mount-hydraulic applications only.

## Gold Race Extruded Rocker Arms

Crane's Aluminum Rocker Arms are made from extruded billet aluminum for maximum strength. Needle bearing fulcrums and roller tips reduce friction and oil temperature as they increase RPM and horsepower.



Part No.	Description	Stud Dia.	Ratio
CRN11750-16	SB Chevy, 1955-87	3/8"	1.5
CRN11752-16	SB Chevy, 1955-87, Clearance Spring For 1.630"	7/16"	1.5
CRN11755-16	SB Chevy, 1955-87, Clearance For 1.630" Spring	7/16"	1.6
CRN11759-16	SB Chevy, 1955-87	3/8"	1.6
CRN36757-16*	SB Ford, 1962-00 221-351W	7/16"	1.7
CRN86757-16*	SB Ford, 1962-00 221-351W	7/16"	1.6

\* Requires screw-in rocker arm studs, guide plates and heat treated pushrods for installation.

## Steel Rocker Arm Adjusting Nuts

Locknuts are available in traditional self-locking and Kool Nut, for use with stamped steel rocker arms. Kool Nut's unique design directs a pressure-fed flow of oil to the pivot ball. Sold in sets of 16.



Part No.	Description
CRN99768-16	...Kool Nut, 3/8"-24, Counterbored To Work With Bottleneck Studs
CRN99769-16	...Kool Nut, 7/16"-20, Counterbored To Work With Bottleneck Studs
CRN99770-16	...Self Locking, 3/8"-24
CRN99771-16	...Self Locking, 7/16"-20

## Aluminum Rocker Arm Adjusting Nuts

Billet steel lock nuts are for use with roller tip, needle bearing aluminum rocker arms. Available in standard or for use with stud girdles.



Part No.	Description	Min. Rocker Slot Width	Overall Ht.
<b>Standard Adjusting Nuts</b>			
CRN99788-16	3/8"-24 Nuts	.550"	1.063"
CRN99790-16	7/16"-20 Nuts	.550"	.922"
<b>Stud Girdle Adjusting Nuts</b>			
CRN99804-8	7/16"-20 Nuts	.550"	2.013"
CRN99810-8	7/16"-20 Nuts	.600"	2.013"

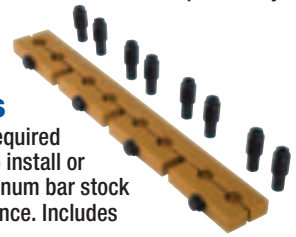
## Ford Rocker Arm Pedestal Shim Kit CRN99170-1

Designed specifically for Ford 255-351W engines with non-adjustable, pedestal mount rocker arms, kit corrects hydraulic lifter preload caused by camshaft change, valve job, head or block milling without need for shorter pushrods. Kit includes shims to reduce preload by approximately .030", .060" or .090".



## Quick-Lock Valve Train Stabilizers

Unique stud girdle slashes the time required to perform valve lash adjustments or to install or remove girdle. Made from quality aluminum bar stock and gold anodized for corrosion resistance. Includes rocker arm adjusting nuts.



Part No.	Description
CRN11600-1	.....SB Chevy 262-400 And Pontiac/Brodix With Standard Rocker Stud Spacing, 3/8" Studs
CRN11604-1	.....SB Chevy 262-400 And Pontiac/Brodix With Standard Rocker Stud Spacing, 7/16" Studs, For .600" Wide Top Slot Rocker Arms

## Valve Lash Caps

Heat treated, 8620 steel valve lash caps are used to improve wear surface or lengthen the valve for improved geometry.

Part No.	Description
CRN99420-16	...5/16" Dia. Valve Stems, .162" Tall, .060" Thick
CRN99421-16	...11/32" Dia. Valve Stems, .162" Tall, .060" Thick
CRN99423-8	...11/32" Dia. Valve Stems, .210" Tall, .100" Thick, Ford 2300cc SOHC

**Note: Maintain a minimum of .030" clearance from bottom of lash cap to top of the valve locks.**



## Chrome Moly Pushrods

Pushrods are made from seamless 4130 Chrome moly steel tubing, with or without heat treating, and tensile strength ratings up to 128,000 lbs. Sold in sets of 16.



Part No.	Description	Diameter	Length
CRN11621-16	1955-87 Chevy V-8 262-400, Heat Treated	5/16"	7.765" (Stock)
CRN11622-16	1955-87 Chevy V-8 262-400, Heat Treated	5/16"	7.865" (+.100")

## Super Moly Lube

A moly-disulfide based lubricant unequalled in wear protection. For use on cam lobes, lifters, and distributor gears. Recommended for all cam installations.

Part No.	Description
CRN99002-1	.....2 Ounce Container
CRN99003-1	.....8 Ounce Container
CRN99004-1	.....1 Pound Container



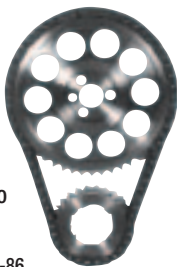
## Engine Assembly Lube CRN99008-1

Provides extra lubrication and protection for engine components during assembly, initial firing and critical break-in period. 4 oz. bottle.

## Pro-Series Roller Chain Sets With Steel Billet Gear And Needle Thrust Bearing

Strong and accurate sets have CNC-machined billet steel camshaft and crankshaft sprockets and a rugged, double row roller timing chain. The crankshaft sprocket has nine key locations for up to 8° of advance or retard adjustments.

Part No	Description
CRN11984-1	.....SB Chevy 1955-87, 262-400 C.I., 90° V-6 1978-86, 200-262 C.I., Complete Set With Multiple Keyway Crank Sprocket And Machined To Fit Thrust Washer
CRN44984-1	.....Ford 1973-00, 255-302, 351W C.I., Complete Set With Multiple Keyway Crank Sprocket and Machined To Fit Thrust Washer



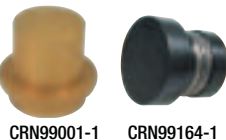
## Cam Lock Plate And Bolt Kit CRN99168-1

Secures cam timing sprocket bolts. Fits 90° V-6 Chevy, SB and BB Chevy 1957-95.



## Camshaft Buttons

Buttons prevent camshaft "walking". Available in solid aluminum or roller styles. Roller bearing reduces binding/friction at cam nose.



CRN99001-1 CRN99164-1

Aluminum Part No.	Roller Part No.	Description
CRN99001-1	CRN99164-1	Chevrolet V-8 262 thru 400, 90° V-6

## Fuel Pump Pushrods



Heat-treated, centerless-ground, tubular steel fuel pump pushrods fit both small and big block Chevrolets.

Part No.	Description
CRN11985-1	.....Bronze Tipped Pushrod, Use With 8620 Steel Roller Camshafts
CRN11986-1	.....Steel Tipped Pushrod, Use With Cast Mechanical and Hydraulic Cams

## Bronze Distributor Gears

Bronze gears are a must when using roller type cams. Gears are machined from high silicon copper alloy.

Part No.	Description
CRN11979-1	.....SB And BB Chevy With .500" Shaft, MSD, Accel Distributors
CRN11990-1	.....SB And BB Chevy With .491" Shaft, Accel Distributors (Except BEI)
CRN44990-1	.....Ford 221-302 With .531" Shaft



## Race Distributors

With performance comparable to crank trigger units, distributor's optical trigger module is dial-adjustable with vacuum or electronic advance timing curves and accuracy of +/-0.5° up to 9,500 RPM. Aluminum billet housing uses aircraft quality bearings, induction hardened steel gear, and a cap and rotor assembly with solid brass terminals. "Plug-n-go" design makes it compatible with other ignitions.

Part No.	Description
CRN1000-1500	..... Chevy V-8, 1955-96, Large Cap
CRN1000-1501	..... Chevy V-8, 1955-96, Small Cap
CRN1000-1600	..... SB Ford 289-302, Large Cap
CRN1000-1601	..... SB Ford 289-302, Small Cap



## HI-6RC Circle Track Racing Ignition CRN6000-6700 **NEW!**

Multi-spark CD ignition features a fully digital design and uses a 6-pin Weatherpak connector for simplified wiring. Rev limit is fully adjustable using rotary dials and unit includes a built-in start/retard function.

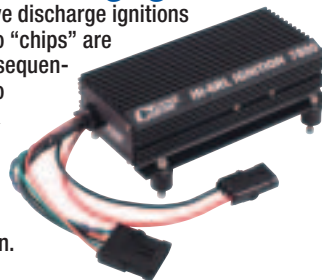
A LED light displays power and trigger signal, easing troubleshooting. Includes shock mounts, wiring and hardware for installation. Recommended coil is CRN730-0192.



## HI-6RL Circle Track Racing Ignitions

IMCA-approved, HI-6RL capacitive discharge ignitions feature a fully digital design and no "chips" are needed. Multi-spark units include sequential rev limiters that are accurate to +/- 25 RPM. Units use Weatherpak 6-pin, quick disconnect plugs for simplified wiring. Applications are available for Modifieds and Late Models. Includes shock mounts, wiring and hardware for installation.

Part No.	Description
CRN6000-6478	..... HI-6RL Ignition 7800, Modifieds
CRN6000-6480	..... HI-6RL Ignition 8000, Late Models



## HI-6N Circle Track Racing Ignitions

HI-6N capacitive discharge ignition is engineered specifically for serious oval track competition. Fully digital, multi-spark ignition is approved for NASCAR competition and feature rotary adjustable rev limiters. Status LED lights ease troubleshooting, while the Weatherpak or Deutsch connectors simplify wiring and installation. Sold complete with shock mounts, wiring and necessary hardware for installation. Recommended coil is LX92 (CRN730-0892) or PS92N (CRN730-0192). Racing ignition CRN6000-6430 includes the LX92 (CRN730-0892) ignition coil.

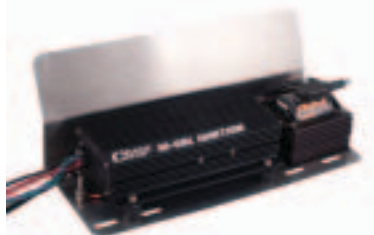
Part No.	Description
CRN6000-6410	..... HI-6N Circle Track Racing Ignition, Weatherpak Plug
CRN6000-6412	..... HI-6N Circle Track Racing Ignition, Deutsch Plug
CRN6000-6430	..... HI-6N Circle Track Racing Ignition, Weatherpak Plug, Includes LX92 Ignition Coil (CRN730--0892)



## HI-6RL Ignition Kit With 6300 Rev Limit CRN6000-6363

Fully assembled spec. ignition system includes a single HI-6RL fully digital, capacitive discharge ignition with high output PS-92 coil and aluminum mounting plate. Unit has a fixed 6,300 rev limit per sanction rules.

Part No.	Description
CRN6000-6463	..... Replacement Ignition Box
CRN730-0192	..... Replacement Ignition Coil



## Small Block Chevy Oval Track Racing Camshafts

Part No.	Description	Grind Lobe Center	Duration @ .050"		Gross Lift 1.5/1.5	
			Intake	Exhaust	Intake	Exhaust
CRO00250	Hydraulic Stock Lift Rule - Heavy Car, 1/4 Mi. Track, Good Low End, RPM Power Range: 350-372 C.I. 3000-5750, 383-400 C.I., 2750-5500, Redline 6000 RPM	218H224/108°	218°	224°	.390"	.408"
CRO00251	Hydraulic Stock Lift Rule - Lighter Car, 3/8 Mi. Track, Good Low End, RPM Power Range: 350-372 C.I. 3250-6250, 383-400 C.I., 3000-5750, Redline 6000 RPM	228H236/106°	228°	236°	.390"	.410"
CRO00252	Hydraulic Stock Lift Rule - 3/8 Mi. Track, High Bank, Mid To Top, RPM Power Range: 350-372 C.I. 3500-6000, 383-400 C.I. 3250-6000 Redline 6000 RPM	238H242/106°	238°	242°	.390"	.410"
CRO00254	Hydraulic Stock Lift Rule - Lighter Car, 3/8 Mi. Track, Good Low End, RPM Power Range: 350-372 C.I. 3250-6000, 383-400 C.I., 3000-5750, Redline 6500 RPM+	228H234/106°	228°	234°	.419"	.417"
CRO00351	Solid Lifter Compu-Pro/NASCAR Sportsman, RPM Power Range: 3000-7000, Redline 7500+	288FDP/105°	254°	262°	.525"	.546"
CRO00355	Solid Lifter Compu-Pro - High Torque, Short Oval Track Cam, RPM Power Range: 3750-7000, Redline 7500 RPM+	276FDP/105°	244°	250°	.503"	.518"
CRO00356	Solid Lifter Compu-Pro - Fast Track Cam, Super Torque At High Revs, RPM Power Range: 3500-7500, Redline 7500+	294FDP/105°	260°	266°	.540"	.557"
CRO00430	Roller Lifter Ultra Action - High Torque Oval Track Profile, RPM Power Range: 3000-7000, Redline 7500 RPM+	284R/105°	256°	260°	.626"	.627"

### Chevy Hydraulic And Solid Lifters

Quality hydraulic and solid lifters are available for Chevrolet V-8's. All lifters have a precisely ground and finished crown face for quick camshaft/lifter break-in and a long life. Set of 16.

Application	Hydraulic	Solid
Chevy V-8	CRO66000-16	CRO66900-16



### Chevy "Coolface" Solid Lifters CRO66900X980-16

Lifters have a .024" oil metering port machined into the face to improve durability with no significant oil pressure loss. Ideal for high RPM engines with high rocker arm ratios and valve spring pressures. Sold in sets of 16.



### Full Body Roller Lifters

Bearings and outer races are crowned to eliminate lobe tracking. "HIPPO" (Hi-Pressure Pin Oiler) lifters have a .024" orifice to direct oil to the needle bearings, improving durability. Not available in offset designs. Sets of 16.

Part No.	Description
CRO66200-16	SB Chevy 262-400, .842" Dia.
CRO66200H-16	SB Chevy 262-400, .842", "HIPPO"



### Severe Duty Cutaway Roller Lifters

Ideal for high RPM and high cylinder pressure, lightweight lifters have billet alloy bodies, and heavy duty blades which are raised for use with late model blocks. "HIPPO" (Hi-Pressure Pin Oiler) lifters have a .024" orifice to direct oil to the needle bearings, improving durability. Choose standard or offset designs. Sets of 16.

Part No.	Description
CRO66215-16	SB Ford 221-351W
CRO66215H-16	SB Ford 221-351W, "HIPPO"
CRO66290-16	SB Chevy 262-400, .842" Dia.
CRO66290H-16	SB Chevy 262-400, .842" Dia., "HIPPO"
CRO66292-16	SB Chevy 262-400, Offset Int., .842" Dia.
CRO66292H-16	SB Chevy 262-400, Offset Int., .842" Dia., "HIPPO"
CRO66292X874-16	SB Chevy 262-400, Offset Int., .874" Dia.
CRO66378H-16	SB Ford 221-351W, Offset Int., .874" Dia. "HIPPO"



### "Hi-Seat" Offset Roller Lifters

.180" offset, built-in rev kit buttons and "Hi-Seat" pushrod design allow use of shorter pushrods to reduce flex and weight. "HIPPO" (Hi-Pressure Pin Oiler) lifters have .024" orifices to direct oil to the needle bearings. Set of 16.

Part No.	Description
CRO66275-16	SB Chevy 262-400, .842" Dia.
CRO66275H-16	SB Chevy 262-400, .842" Dia., "HIPPO"



### Ford 2000/2300cc Cam Followers CRO66993-8

Followers fit all Ford 2000/2300cc 4-cylinder engines and maximize valve-train performance. Sold in sets of eight.



### Stainless Steel Rollerized Rocker Arms

Rockers are made of heat treated 17-4PH stainless steel and fitted with oversized needle bearings, sure-lock rocker nuts and ball race steel tip rollers. Lightweight, narrow body rockers clear large diameter valve springs or high lift camshafts. Sold in sets of 16.

Part No.	Application	Ratio	Stud
CRO73601-16	SB Chevy 265-400	1.5	7/16"
CRO73641-16	SB Chevy 265-400	1.6	7/16"



### Valve Spring Set For GM "604" Crate Engine CRO68135-16 **NEW!**

Valve springs, specifically engineered to directly replace the stock springs found in the GM "604" crate engine, offer increased performance and improved durability. Sold in sets of 16.

O.D.	I.D.	Free Length	Load @ Installed Height	Load @ Open Height	Coil Bind
1.355"	.905"	2.195"	110 lbs. @ 1.800"	343 lbs. @ 1.200"	1.155"





Cyclo manufactures a complete line of cleaners, chemicals and lubricants for professionals and hobbyists.

Part No.	Description
CCLC1	Carb Clean, 13 oz. Spray Carb Cleaner
CCLC5	Carb Clean, 19 oz. Spray Carb Cleaner
CCLC10	Break-Away, Penetrates/Lubricates, 13 oz. Aerosol Can
CCLC27	Power Steering Fluid, 12 oz. Bottle
CCLC28	Power Steering Fluid, 32 oz. Bottle
CCLC30	Engine Clean, 16 oz. Aerosol Can
CCLC33	Silicone Spray, 10 oz. Aerosol Can
CCLC34	White Grease, 11 oz. Aerosol Can
CCLC51	Radiator Anti-Rust, 11 oz. Bottle
CCLC52	Radiator Stop Leak, 11 oz. Bottle
CCLC55	Brake Fluid, 12 oz. Bottle
CCLC56	Brake Fluid, 32 oz. Bottle
CCLC111C*	Brake and Parts Clean, Red Can, 15 oz. Aerosol Can
CCLC331	Glass Clean, 23 oz. Aerosol Can
CCLC400**	Heavy Duty Faster Super Penetrant, 11 oz. Aerosol Can
CCLC405	"Z" Lube, 12 oz. Aerosol Can, Lubricates Rod Ends

Ground Shipment Only



CCLC111C

\* Meets OTC regulations for sale in California and other OTC states.  
\*\* This formula is flammable.



Johnny Benson

Photo By: Tom DeVette



Dave Lake

Photo By: John Berglund



### CT-1 Quick Change Rear

The premier quick change available for closed tube applications is the ultimate combination of performance and reliability. Assemblies feature 4.86 ring and pinion set, heat treated lower shaft, O-ringed gear cover, magnetic drain plug and breather assembly. Three bell studs per side offer eased side bell removal, while the easy access fill and inspection plugs require only a 9/16" wrench for removal.



DMICT1-4.86

Part No.	Description
DMIMOD-4.86	Quick Change, Modified Rear, 60" Centered
DMICT1-4.86	Quick Change, No Tubes
DMICT1-ROCK	Quick Change, Aluminum Tubes, Rocket Chassis

#### Options For CT-1 Quick Change Rear

DMIC1-A	Black Thermal Coating, 6-Rib
DMIC1-B	Black Thermal Coating, 8-Rib
DMIC2-A	EDM Ring Gear
DMIC2-B	Polish Ring And Pinion
DMIC2-C	EDM/Polish Ring And Pinion
DMIC3-C	Aluminum End Yoke
DMIC3-D	Heavy Duty Lower Shaft
DMIC5-A	8-Rib Side Bells, Both Sides
DMIC6-A	Low Drag With PTFE Lip Seals And Severe Duty Bearings
DMIC6-B	Low Drag With PTFE Lip Seals And Severe Duty Bearings With Seal Plate Seal
DMIC6-C	Low Drag Seals Only
DMIC6-D	Low Drag Seals Only With Seal Plate Seal
DMIC6-E	Severe Duty Spool Bearings
DMIC6-F	Severe Duty Lower Shaft Bearings
DMIC6-G	Severe Duty Bearings, All
DMIC7-A	DIRT Modified Thru Bolts
DMIC7-C	Dirt Late Model Thru Bolts
DMIC9-A	Ultralight Aluminum Spool
DMIC9-B	Locker Differential
DMIC9-C	Steel Spool
DMIC-B	Upgrade To Hollow Axles

### Quick Change Ring And Pinion Sets

DMi offers 4.12 and 4.86 ring and pinion gear sets for popular Quick Change rears. Gear sets, which are manufactured from premium 9310 steel for maximum durability, are sold with or without pinion bearings. Gears are also available EDM lightened and REM finished. EDM lightening is a special machining process used to reduce rotating weight, while REM finishing is employed to reduce friction and enhance wear characteristics.



Description	Ring & Pinion Only Part No.	Ring & Pinion With Bearings Part No.	EDM/REM Ring & Pinion Only Part No.
4.12 Ring And Pinion	-	DMIRRC-1300L	DMIRRC-1300-02-05
4.86 Ring And Pinion	DMIRRC-1305	DMIRRC-1305L	DMIRRC-1305-02-05

### Posi-Lock And Bearing Kit

#### DMIRRC-1306 **NEW!**

Kit includes posi-lock nut and pinion bearings.



### Bulldog Blood Gear Oil **NEW!**

Fully synthetic, high performance 75W90 gear oil is a proprietary formula that includes extreme pressure additives which prevent excessive wear. Special additives are incorporated to dramatically increase gear life, while the non-foaming formula lowers operating temperatures. Sold in one quart and one gallon containers.

Part No.	Description
DMIBULLDOGQT	75W90 Gear Oil, 1 Quart
DMIBULLDOG1	75W90 Gear Oil, 1 Gallon



Curt Spalding/Wayne Claus

Photo By: John Berglund