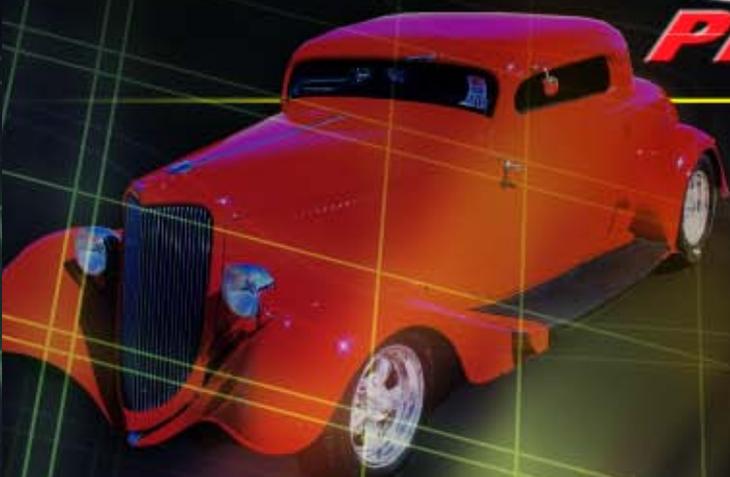


SPC **PERFORMANCE** **PRO SERIES**



**RACING AND
STREET ROD
SUSPENSION
TUNING**



ALIGNMENT.PARTS.2006

TECHNICAL NOTES

SPC Performance Pro Series - innovative products that give you a true advantage in your chassis set up, handling, and performance! Our Pro Series Adjustable Control Arms are designed for use on tube framed chassis for circle track, road racing, and the quarter mile. These products offer "fine-tuning" of your suspension to meet your exact needs. Camber, caster, offset, and arm lengths are easily and quickly adjusted to any track need. Late Model, Pro Truck, Super Stock, Modified, SCCA, Baby Grand, and more - we have products for you.

Check out our street rod products including fully adjustable upper arms and tubular lower control arms for Mustang II front ends. Stock style, coilover, and air ride adjustable arms let you lower or raise your ride height and adjust your alignment for precise camber and caster alignment! For fast, accurate alignment readings in your garage or at the track, check out our FasTrax™ camber/caster/toe gauge (opposite page).

Pro Series Fully Adjustable Control Arms

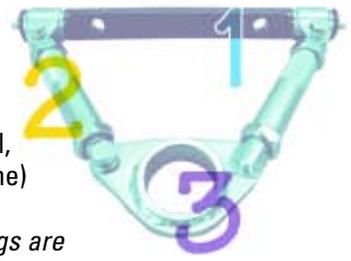
Follow these steps to select the correct control arm for your chassis.

Step Number 1:

Measure Cross Shaft Bolt Hole Spacing From Center-To-Center

SPC Performance offers these cross shafts including grease fittings with bolt hole spacings of:

- 5" (Mustang II)
- 6" (Standard Spacing) - Available in Steel or Aluminum
- 6 1/2" ('F' Body 1967-69 Camaro/1968-74 Nova/'A' Body Chevelle, El Camino, GTO, Olds 442)
- 6-15/16" Metric Stubs ('G' Body 1978-88 Chevelle, Grand National, Malibu Grand Prix, 1970-88 Monte Carlo, 1979-87 Cutlass Supreme)
- 7-3/4" 'F' Body (1982-92 Camaro/Firebird)
- *Street Style Cross Shafts with custom pivots and Clevis Bushings are available in Mustang II and the GM 'A', 'F' and 'G' body vehicles as well as slotted styles.*



Step Number 2:

Measure Length of Control Arm

Measure from the middle of the cross shaft to the center of the ball joint.

- Steel Adjusting Sleeve lengths are available in 3-3/4", 5", 6", 8", and 9". Also available in red anodized aluminum in 4", 5" and 6" lengths.

Step Number 3:

Determine Type of Ball Joint Plate

- **Full Sized GM Truck Bolt In Ball Joint Plate** Measure center-to-center between the ball joint bolt holes that are farthest apart. This measurement should be 2-3/4" SPC Performance part number is **92004**.
- **GM Metric (Midsized) Bolt In Ball Joint Plate** Measure the longest distance between ball joint bolts, this measurement should be 2-1/2" - part #**92006**. Also in 20° - part #**92008 & 92009**.
- **Chrysler Screw In Ball Joint Plate** - SPC Performance offers ball joint plates that are welded flat (0° - part #**92003**) or at an angle (10° - part #**92002**) for these screw in type ball joints.

PRO SERIES RACING UPPER

SPC Performance offers preassembled arms in the most popular configurations. These arms are fully adjustable and can give you all the camber and caster change you need to fine tune your alignment for any track. You will save time by being able to quickly and accurately dial in your alignment angles and at the same time you will improve your handling and tracking.

Pro Series Arms Feature:

- Quality Steel or Aluminum (6" only) Cross Shaft with Pro Racing pivot assemblies
- High strength rod ends with 3/4-16 thread and 5/8" bore
- Threaded steel adjusting sleeves
- Ball joint plates for GM, Chrysler screw-in or GM metric ball joints

To order - find the Cross Shaft (or Rod End), Adjusting Sleeve and Ball Joint Plate that your chassis requires... it is that easy!

Don't see the combination that your vehicle requires? Check out our components - available individually - **and build your own!** (See more on our high quality components to the right.)

Step 1 Pick your cross shaft

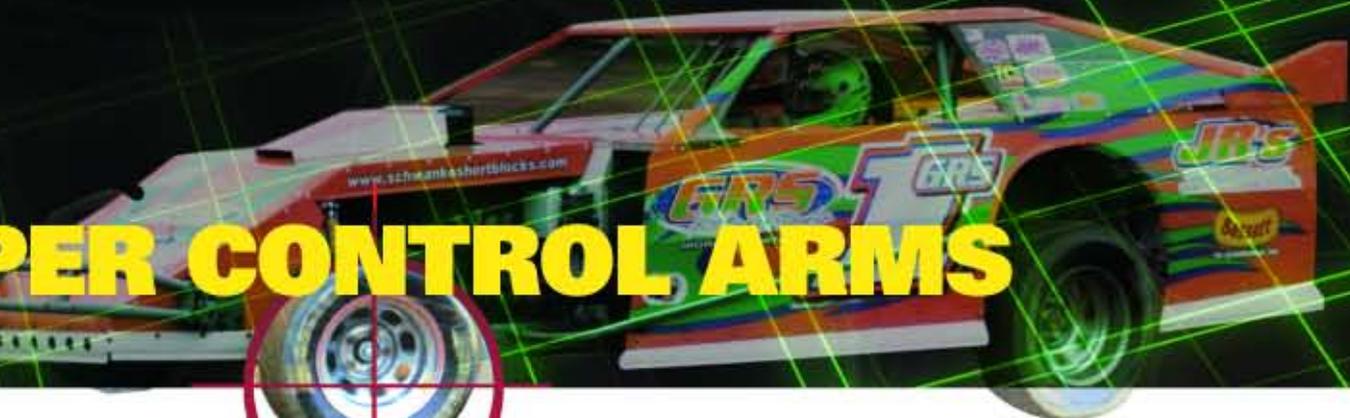
Step 2 Step 3 Your Sleeve Ball Joint Plate

CROSS SHAFT					ROD END	ADJ. SLEEVE		BALL JOINT PLATE				PART NO.
Steel 5"	Steel 6"	Steel 6 ¹⁵ / ₁₆ "	Steel 7 ³ / ₄ "	Alum. 6"		3 ³ / ₄ " Adjusts to 7"-9"	5" Adjusts to 8 ¹ / ₄ "-10"	GM Full Size	Chrys. In - 10°	Chrys. Screw In - 0°	GM Midsize Metric	
X						X			X			92142
	X					X			X			92244
	X					X			X			92242
	X						X		X			92254
	X						X		X			92252
		X				X					X	92546
		X				X			X			92542
		X					X				X	92556
		X					X		X			92552
			X			X					X	92646
			X				X				X	92656
				X		X			X			92344
				X		X			X			92342
				X			X		X			92354
				X			X		X			92352
					X	X			X			92044
					X	X			X			92042
					X	X				X		92043
					X	X					X	92046
					X		X		X			92054
					X		X		X			92052
					X		X			X		92053
					X		X				X	92056

Note: These parts are intended for race use only - not for street use.



PRO CONTROL ARMS



CROSS SHAFTS

Steel or Aluminum Cross Shafts in a variety of sizes and configurations including grease fittings or bushings. Measurement is from center to center on holes.



Pro Racing - Steel or Aluminum with Grease Fittings

Size	5" - Steel	6" - Steel	6" - Aluminum	6-1/2" - Steel	6-15/16" - Metric Steel	7-3/4" - Steel	6-11/16" - Steel	5-1/2" - Steel
Part No.	92100	92200	92300	92400	92500	92600	92700	92800

Rod/Street/Drag - Steel Cross Shaft Including Custom Pivots with OE Clevite Bushings

Size Apps.	5" - Steel Mustang II Stock Style	6-1/2" - Steel GM 'F' Body	6-15/16" - Steel 'G' Body Street Shaft	7-3/4" - Steel 'F' Body - 70-81 Street Shaft	5-7/8" to 6" - Steel Slotted Street Shaft	5-1/2" - Steel C4 Corvette	6-11/16" - Steel C3 Corvette
Part No.	94100	94200	94300	94400	94500	94600	94700

ADJUSTING SLEEVES

These sleeves are the perfect fit with our pivot studs and ball joint plates.



Size	3 3/4" Steel	4" Alum.	5" Steel	5" Alum.	6" Steel	6" Alum.	8" Steel	9" Steel
Part No.	92040	92045	92050	92055	92060	92065	92080	92090

BALL JOINT PLATES AND BALL JOINTS

Pro Series Ball Joint plates in a variety of styles to complete your adjustable control arm along with OE style ball joints (sold separately).



Ball Joint Plates

Type	Full Size GM Bolt In Plate	Midsize GM Metric - 0° Bolt In Plate	Midsize 20° Metric - Left Bolt In Plate	Midsize 20° Metric - Right Bolt In Plate	Chrysler Screw In Plate Flat - 0°	Chrysler Screw In Plate - 10°
Part No.	92004	92006	92008	92009	92003	92002

Ball Joints

Type	Full Size GM Bolt In	Midsize GM - Metric Bolt In	Upper Chrysler Screw In	Lower Chrysler Screw In
Moog #	K6024	K5208	K772	K719
Part No.	94004	94006	94002 (tool #68880)	94008 (tool #68880)



UCA COMPONENTS

A variety of assemblies along with finishing nuts and bolts for your arm.

Part No.	Description	Part No.	Description
92001	Finished Pivot Assembly (Pro Racing)	92012	Retaining Ring Clip
94012	Custom Pivot Assy w/ Clevite Bushings	97100	Hi Strength 2 Piece Rod End
92005	UCA End Pivot Stud (Cross Shaft End)	92010	Right Hand Jam Nut - 3/4" - 16
92013	UCA Pivot Plate Stud	92011	Left Hand Jam Nut - 3/4" - 16
92014	End Pivot Bolt		



92013

92005

97100

PRO SERIES TOOLS **F A S T R A X**

#91000 - FasTrax™ Adjustable Camber/Caster Gauge

This great tool is a must for your garage and can't be beat at the track. Portable, hands-free alignment can be done quickly and easily with the **FasTrax™ Adjustable Camber/Caster Gauge**. This tool will help you fine tune your alignment for optimal tracking and handling while minimizing alignment headaches.

- Includes gauge and wheel mount (fits most wheels from 13" to 18").
- Displays Camber $\pm 4^\circ$ / Caster -4° to $+12^\circ$.
- Saves time and tires.

#91100 - Optional Toe Adapter Kit

- Includes 2 arms and reinforcement blocks
- Simply lower toe arms and insert tape measure into slot. Then measure to opposite tire reference point for accurate and fast toe readings.

#90000 - 4Corners™ Adjustable Ride Height Gauge

- Displays changes in ride height as you adjust from 3 to 7 inches.
- Accommodates offset frame rails over 24 inches.
- Easy to read and accurate display that has been factory calibrated.

#90100 - LoCorners™ Adjustable Ride Height Gauge

- Displays changes in ride height from 1/2 to 4-1/2 inches.
- Ideal for Formula or Spec Racers - or any low frames.
- Easy to read and accurate display that has been factory calibrated.

Other featured tools...

SPC Performance has a large variety of must-have tools for performance suspension tuning. For a complete tool line-up refer to our SPC Sourcebook (**Part No. 04**).

#7250 - Ball Joint Press

Remove and replace ball joints without "brute force" methods that can cause damage. Easily remove and install press-fit ball joints using the correct adapter with the forcing screw-powered press.

#41110 - Ball Joint Adapter Set

Expand the service capability of your ball joint press with this Ball Joint Adapter Set. This kit includes adapters and 10 receiving tubes for a large variety of applications.

#68880 - Chrysler Ball Joint Socket

For Chrysler Screw-In Ball Joints (**#94002** & **#94008**), 1-29/32" opening with 3/4" square drive.

#40310 - Tie Rod/Ball Joint Tool

This handy kit consists of three drop forged forks with 11/16", 15/16" and 1-1/8" openings, along with two handles, one for use with air hammers and one for hand-held hammers.



MUSCLE CAR AD



With both Adjustable Upper Control Arms and Tubular Lower Control Arms SPC Performance Pro Series will meet your Mustang II Street Rod needs. You can easily adjust the upper arms for maximum handling and minimized tire wear.

Arms include everything needed for your custom chassis including ball joints. Stock or 2" dropped spindles are available separately.

94000 Upper



Lower 93000

MUSTANG II UPPER & LOWER CONTROL ARMS

Part No.	Description
93000	Mustang II LCA for Coilover Suspension - LEFT
93010	Mustang II LCA for Coilover Suspension - RIGHT
93040	Mustang II LCA for Stock Style Suspension - LEFT
93050	Mustang II LCA for Stock Style Suspension - RIGHT
93060	Mustang II LCA for Air Ride Suspension - LEFT
93070	Mustang II LCA for Air Ride Suspension - RIGHT
94000	Mustang II Adj. Upper CA for Coilover Suspension
94800	Mustang II Adj. Upper CA for Stock OR Air Ride Susp.
93020	Mustang II Stock Forged Spindle - LEFT
93030	Mustang II Stock Forged Spindle - RIGHT
93080	Mustang II 2" Dropped Spindle - LEFT
93090	Mustang II 2" Dropped Spindle -RIGHT

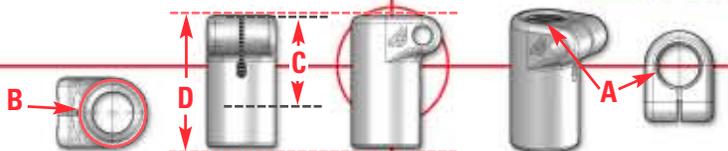


Tubular Chassis and Component Fab Elements

Light Racing's line of Fabrication and Component Parts are exactly what professional chassis builders demand. Consistent high quality, along with innovative design features.

Check out our website for Square Rod End Receivers, High Mis-Alignment Inserts, Flared Hole Dies, additional sizes, and more...

www.lightracing.com

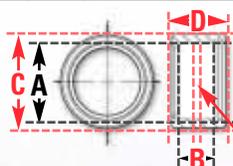


Round Rod End Receivers

Cinch Clamp Bolt Included
Material: 4140 N Chromoly Steel

RH Thread Part #	LH Thread Part#	Tube Dia.	Thread Size (A)	Outside Dia. (B)	Thread Length (C)	Overall Length (D)	3 Piece Spherical Rod Ends		
							RH Part #	LH Part #	Bore
15120	15125	.066"	1/2" - 20	0.745"	1.2"	1.813"	15474	15475	.50 Bore
15110	15115	.066"	5/8" - 18	0.870"	1.3"	1.938"	15476	15477	.625 Bore
15100	15105	.066"	3/4" - 16	1.120"	1.4"	2.125"	15478	15479	.750 Bore
15090	15095	.066"	7/8" - 14	1.370"	1.5"	2.250"	15480	15481	.875 Bore
15080	15085	.066"	1 1/4" - 12	1.870"	1.7"	2.563"	15482	15483	1.00 Bore

Spherical Bearing Receivers



Includes Retaining Ring
Material: 4140 N Chromoly Steel

Centerline of receiver to centerline of bearing race

Part #	Bearing Dia. (A)	Bearing Race Width (B)	Receiver OD (C)	Receiver Height (D)	Bearing Offset (E)
15065	0.8125"	0.4060"	1.063"	0.58"	0.0170"
15060	1.0000"	0.5050"	1.250"	0.71"	0.0125"
15055	1.1875"	0.5670"	1.483"	0.84"	0.0265"
15050	1.3750"	0.6300"	1.625"	0.92"	0.0150"
15045	1.6250"	0.7550"	1.925"	1.06"	0.0025"
15040	2.1250"	1.0050"	2.500"	1.41"	0.0025"
15042	2.7500"	1.099"	3.250"	1.527"	0.012"

Spherical Bearings

With Teflon Liners

Part #	Outside Dia.	Inside Dia.
15465	0.8125"	0.375"
15460	1.0000"	0.500"
15455	1.1875"	0.625"
15450	1.3750"	0.750"
15445	1.6250"	0.875"
15440	2.1250"	1.000"
15442	2.7500"	1.500"

ADJUSTABLE CONTROL ARMS

MUSCLE CAR UPPER CONTROL ARMS



SPC Performance Pro Series offers fully adjustable, rugged upper control arms to adjust your front end and meet your exact needs. These arms provide quick and easy adjustment for standard or lowered heights and will accommodate most air ride systems. Fine tune your handling and alignment while minimizing tire wear.

"G" Body Adjustable metric upper control arm with 3-3/4" and 6" sleeves, 20° midsize plate, Clevite pivots and lowering kit (*ball joint additional*).

94330 - Right
94331 - Left



'67-'69 Camaro/Firebird/Nova Adjustable upper arm for these popular cars, includes a 20° midsize plate, adjustable sleeves, Clevite pivots and lowering kit (*ball joint not included*).

94302 - Right
94303 - Left



64-'72 "A" Body Chevelle Adjustable upper arm with 20° midsize plate, Clevite pivots, 5" and 6" sleeves and lowering kit (*ball joint additional*).
#94320 - Same as the **94324** arm but with a flat (0°) midsize plate and no lowering kit.

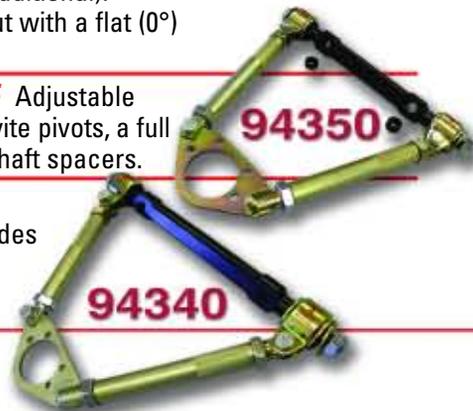
94324 - Right
94325 - Left

#94304 - Lowering Spacers
Three 1/4" spacers and hardware.



#94350 - '55-'57 Chevy - Tri 5 Adjustable upper arm for these great cars - includes Clevite pivots, a full size ball joint plate, 6" adjusting sleeves and shaft spacers.

#94340 - '70-'81 "F" Body For Camaros and Firebirds, this control arm includes Clevite pivots, a midsize ball joint plate along with 5" and 6" adjusting sleeves.



FULLY ADJUSTABLE CORVETTE UPPER ARM

Corvette C3 & C4

Adjust camber, caster or length for maximum handling and performance.



Street Style: Includes Steel Cross Shaft with Custom Pivots and OE Clevite Bushings to minimize road shock

Race Style: Steel Cross Shaft with greaseable Custom Pivots

Part #	Model	Style	Adjustment Range
94360	C3 (1963-82)	Street	Adj. UCA from 8-1/2" to 10-1/2"
92740	C3 (1963-82)	Race	Adj. UCA from 8-1/2" to 10-1/2"
94370	C4 (1984-96)	Street	Adj. UCA from 7-1/2" to 9-1/2"
92750	C4 (1984-96)	Race	Adj. UCA from 7-1/2" to 9-1/2"

Also Available

#83160
C3 - Rear Camber Adjustable Cams
Adjusts Rear Camber $\pm 2.00^\circ$

#47170 (Series)
C3 - Rear Toe Shims
47171 - 1/32"
47172 - 1/16" **47173** - 1/8"



SPC SHOW YOUR SUPPORT



**#66000
SPC**

Jacket

Zippered nylon jacket with gray jersey lining. Performance white logo embroidered on front.

Men's M, L, XL



**#66020
SPC Gloves**

Synthetic leather palm with Spandex padded top for form fitting durability.

Men's S, M, L, XL



SPC Ball Caps

Great looking ball caps with SPC embroidered on the front.

#63005 -

Mid Profile Khaki

#63007 -

Mid Profile Navy

Your Pro Alignment Team

Pioneering the alignment parts business in 1971, Specialty Products Company® has lead the industry for over 30 years. Preferred by professional installers for its quality, service and innovation, Specialty Products is the industry's first choice in alignment parts and tools. Order our complete Sourcebook #06.

SPC Performance® parts and tools have been engineered to assist installers that need to correct alignment problems on domestic and import sport compact vehicles that have been raised or lowered for appearance or performance. Check out our SPC Performance catalog #20068 for applications.

Light Racing® designs, engineers and produces dedicated high mobility suspension and off-road racing applications in conjunction with developing "trophy truck" quality consumer driven products and tubular chassis components. See our catalog #15009.

SPC Performance Pro Series™ parts and tools are designed for racing and street rods. Engineered for the precise demands of racing Circle Track, Road Racing and Quarter Mile, Pro Series parts give racing professionals and enthusiasts the opportunity to "fine tune" their chassis set-up. Order catalog #16006.



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SPC **PERFORMANCE** **PRO SERIES**

800-525-6505

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303-772-2103 • Fax: 303-772-1918

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POLE POSITION

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Final determination of the suitability of the parts for use contemplated by the buyer is the sole responsibility of the buyer. Specialty Products Company shall not be liable for any special, direct, indirect, incidental, or consequential damages that might be claimed as a result of the failure of any part, including claims for delay, loss of profits or labor. Specialty Products Company shall not be liable for any damage or injury to persons or property resulting from improper installation or misuse of any part subject to this warranty. There are no other warranties expressed or implied extending beyond those set forth above.