

# COMPANY

King Shocks, the industry leader for over a decade, continues to leave the competition in the dust by providing the level of quality, consistency and performance that champions demand. Our ongoing product development has led the way long before we opened our doors in 1996. The original designs drawn by Lance King back in the early 80's were created to fill the needs of the top level racers of the day. Nothing existed at the time that could stand up to the punishment dished out by racers like Bill Stroppe, Parnelli Jones and Walker Evans. The faster cars and trucks ran several shocks on each wheel which were often changed at pit stops along with the tires. Our original 3" shock was designed with pure function in mind from only the best quality materials available. King has remained true to that formula to this day.

Every facet of design and manufacturing is continuously refined and then put to the test with winning results from Baja to Dakar. In addition to the quality and innovative design features you will find on all King shocks we provide you with the highest level of customer support. Our depth of knowledge when it comes to shock tuning and suspension set-up is second to none. We are in the dirt on a weekly basis at races, offroad events and tuning sessions helping you attain the most effective performance from your suspension.

Every part we sell is the product of constant testing and development done with top racers in all classes world wide. This real world testing exposes our designs to a level of abuse and destructive forces that cannot be duplicated in a laboratory or on a computer spreadsheet. Our "hands on" experience enables us to make rapid advancements others haven't even dreamed up yet. Racecars have become heavier, faster and more powerful over the years. King's exclusive damping technology and precision componentry have made possible the rapid evolution of offroad suspension design.

Many of the high performance features available today such as bypass tubes, seal technology, shaft diameters and tube construction were pioneered by King's product development team working to give our customers the competitive edge they need. Our understanding of fluid dynamics and piston design alone has created performance levels unlike all others. Nothing rides like a King.

We don't stock "off the shelf" shocks, everything we make is custom made to fit your application from the finest raw materials and billet stock obtainable. You won't find any cast pieces on a King shock, they don't measure up to our demanding standards. All parts used in our products are machined in house right here in the U.S.A. on precision equipment to exacting standards and hand assembled by our technicians. Regardless which of our products you purchase they all contain the latest technology and materials used in our top of the line racing shocks. When you choose to ride on Kings you can rest assured you will have the finest shocks available.



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# R & D

At King, our ultimate goal is unparalleled performance. We don't count on others to supply us with yesterdays off the shelf technology and we aren't constrained by conventional wisdom. We have already incorporated technology into our shocks that others haven't even dreamed up yet. We seek out the latest advances in materials and processes to maintain our commitment of providing you with the very best. We are constantly working with designers, builders, crew chiefs and drivers to develop the next level of ground breaking advances. This constant interaction with real world conditions allows us firsthand knowledge of how our products perform on a wide array of vehicles and allows us to make rapid progress testing new designs. Our 100% custom made for your application process allows us the flexibility to incorporate improvements rapidly to evolve with our latest advancements and changing conditions.

Bypass shock design, large diameter bodies and shafts, advanced fluid dynamics, seal and wear band efficiency and tight tolerance control have all been developed on a hyper intensive schedule. Our theories and practices are constantly tested in the dirt and on the rocks under race conditions day in and day out.

Unlimited race vehicles have gotten bigger, faster and heavier. Tire sizes and weights continue to expand and horsepower has increased to staggering levels. None of these advancements would be possible without Kings technological breakthroughs in strength, performance and function. This commitment to research and development sets King apart from the competition and goes way beyond what other manufacturers offer.



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375±003

**KING** 

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# SERVICE

King shocks attain unprecedented levels of performance and functionality. Our strict adherence to critical tolerances and our attention to detail combine to create a shock capable of producing real results with even minute adjustments. Convenient regularly scheduled shock servicing can be performed at our facility with minimal turnaround times. Our experienced shock experts can easily spot unusual wear patterns and other anomalies that could lead to reduced performance before they become an issue.

Service procedures include precision honing and polishing of shock cylinders, micro polishing of shafts, seal and wear band replacement, all using original replacement parts and precision processes for a perfect fit. Each factory serviced shock is pressure tested after assembly to verify proper sealing.

If you choose to do your own maintenance all of our shocks are serviceable with our fully stocked rebuild kits that contain all necessary original parts. All Kings are easily adjustable by anyone with simple tools and an understanding of shock construction and valving.

For those of you who wish to take advantage of our depth of knowledge in setting up your new shocks or optimizing your existing set-up we offer weekly in the field shock servicing and tuning. Many teams plan their test sessions around our service schedule and when it comes to race weekend we are there too, in the dirt, where you need us, with our fully stocked support trailer to handle any last minute needs. At King, our service to our customers is second to none.





# **KING OPTIONS**

Chrome Cylinder, available option for all smoothie and bypass shocks.



location.

location.

mounting location.

mounting location.

Polished or Anodized Reservoir, available option for all shocks with reservoir.

Polished or Color Anodized Components, available option for all King products.

45 Degree Hose Fitting at End Cap, available option

on all remote reservoir shocks for restrictive mounting

90 Degree Hose Fitting at End Cap, available option

on all remote reservoir shocks for restrictive mounting

45 Degree Hose Fitting at Reservoir, available

90 Degree Hose Fitting at Reservoir, available

option on all remote reservoir shocks for restrictive

45 Degree Piggy Back Mounting, available option

with restrictive reservoir mounting location.

on 2.0 Performance Race Series shocks and coilovers

option on all remote reservoir shocks for restrictive



**90 Degree Piggy Back Mounting**, available option on 2.0 & 2.5 Performance Race Series shocks and coilovers with restrictive reservoir mounting location.



Black Remote Reservoir Hose, available option on all remote reservoir shocks



Stainless Steel Braided Remote Reservoir Hose, available option on all remote reservoir shocks



Viton Seals, seals withstand tempetures up to 450 degress. Available option on Performance Race series shocks. Standard on all Pure Race Series shocks.



**Compression Adjuster**, available option for 20 positions of adjustability for all piggyback and remote 2.0" & 2.5" Performance Race and Pure Race Series.

**Spherical Bearing Reducers / Spacers,** available to fit 1/2" & 5/8" bolt sizes and 1 1/4" & 1 1/2" mounting tab widths, some metric sizes avaiable.



**Pop -off Rebound Valving**, makes shock a compression dampening only. Available option on all Performance Race and Pure Race Series shocks.

Additional Bypass Tube, available option for all bypass shocks.

Custom Cylinder Length, available option for all shocks.



Custom Shaft Length, available option for all shocks.

**Lighter 3/4" Shock Shaft**, available option for all 2.0 and 2.5 Performance Race Series shocks.

**Rubber Bump**, available option for all Performance Race and Pure Race Series shocks.

Foam Bump, available option for all Performance Race and Pure Race Series shocks.

**Longer Rod Ends**, optional available sizes -3/8" (3/4" shaft only), +1/2", +3/4", +1", +2", +3", available option for most Performance Race and Pure Race Series shocks.

Welded Loop Rod End, available option for all Performance Race and Pure Race Series shocks.

**Black Coil Slider**, available option for all 2.0 & 2.5 Performance Race Series coil over shocks.

**Billet Nylon Coil Slider**, withstands temperature up to 450 degrees. Available option for all 2.0, 2.5, Performance Race Series coil over shocks. Standard on Pure Race Series coil over shocks.

Aluminum Coil Slider Cover, option available in countless colors for all 2.0 & 2.5 Performance Race & Pure Race Series coil over shocks.

Triple Rate Spring Assembly, available option for all Performance Race & Pure Race Series coil over shocks.

Raised Spring Plate, available option for all Performance Race & Pure Race Series coil over shocks.

Black King Logos, available option for all King products.





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# **KING CUSTOM**

At King Shocks "custom" is our normal procedure. If you don't see it, ask for it. Every shock we make is built for your particular application. When you order your shocks, our sales consultants review the information provided on your pre-order form to come up with the basic configuration you will need. They then guide you through the over thirty different options available to come up with the ultimate set of shocks tailored to your vehicle, driving style, and personal preferences. Almost every component on our shocks has a custom option available. Body and shaft lengths and diameters, rod end styles, hose materials and lengths, bump stops, seals, single or dual rate springs and of course custom colors and finishes to make your vehicle stand out from the crowd or blend into the terrain, we even offer camouflage if that is what you desire.

If you can dream it, King can build it. We provide solutions to any damping demands you might have regardless of what you are building or your vehicles intended use. Whether you are restoring a vintage racer, building a monster truck, or in the conceptual stage of a brand new chassis, we have the knowhow and the tools necessary to help you accomplish your goals. Don't let your ideas become compromised by having to run shocks designed for who knows what. King can provide whatever you need to fit your unique design with the ease of adjustment, serviceability and controlled ride quality that we are known for. When it comes time to prove your design in the dirt, King will be there too with our unmatched service and support.

# **KING COILPASS**

The King, Coilpass shock, is another prime example of King's ability to conceive and build shocks to fit your application no matter what the design parameters are.

The Coilpass shock is used as a primary suspension member to carry the weight of the vehicle and maintain ride height while providing precise adjustability and the high quality ride characteristics King is famous for. It gives you the same performance as a traditional dual shock set-up but with greater simplicity and less weight. The Coilpass also conforms to single shock per wheel rules mandated in certain racing classes.

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The King Coilpass may look exotic but it uses the same time tested components as the rest of our shock line. This unique design can be built in a dual piston configuration offering both velocity and position sensitive damping. You get all the function of dual shocks in one package. Let King's engineering prowess and depth of knowledge provide creative solutions to your suspension design challenges. Nothing rides like a King.



# **PERFORMANCE RACE SERIES**

King's Performance Race series shocks are brimming with technological breakthroughs conceived during strenuous testing in the harshest environments. Utilizing only the highest quality materials and strict precision tolerances they deliver unparalleled performance. Our understanding of fluid dynamics and piston design has created unmatched levels of ride quality and superior control.

We offer a wide range of shock types and configurations such as bypass shocks, coilovers, smooth bodies with reservoir, or pure emulsion. Our shocks don't sit on a shelf looking for a home but instead are 100% custom made for your application. All our shocks are easily tunable with simple tools to provide the level of damping you need.

When you choose to ride on Kings you can rest assured you will have the finest shocks available. A set of King, Performance Race series shocks, are all you need to make your suspension perform to its full potential.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

High quality fittings are mated to Aeroquip high pressure hoses, when remote reservoirs are used, which resist abrasion and allow a tighter bend radius without kinking like braided stainless or cloth lines do.

Lightweight hard anodized 6063 aluminum alloy reservoirs dissipate heat quickly and will not rust due to gas charging contamination.

Shock cylinders are precision bored to within +/- .001, then honed after cadmium plating to remove buildup for a tight piston seal and optimum valving function. Coilover shocks are machined with our own truncated thread design for ultimate strength and trouble free spring adjustments.

The heat treated 6061 aluminum alloy piston has our highly developed port configurations that contribute to the famous king damping performance.

Heat treated stainless alloy valve shims have a unique grain structure that does not fracture and remains stable at high temperatures.

Wear bands are made from an exclusive Rulon composite that wears longer than any other material available.

Large 3/4" or 7/8" diameter shafts have a minimum tensile strength of 100,000 pounds per square inch. They are hard chromed and micro-polished to a 6 RA finish for extended seal life.

Aluminum components are machined from aircraft quality billet.

Steel, Teflon lined, spherical bearings for smooth articulation and long life with no metal to metal contact.

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	S		DKE	1	S		DKE		S		
	6″	<b>COMP</b> 13	EXT 19	1	6″	14	20		8″	16	24
	8″	15	23		8″	16	24			18.375	
	10″	17.05	27.05	1	0″	18.375	28.375		12″	20.65	32.65
	12″	19.585	31.585	1	2″	20.65	32.65		14″	23.25	37.25
	14″	21.585	35.585	1	4″	23.25	37.25		16″	26	42
	16″	23.6	39.5	1	6″	26	42		18″	28	46
				1	8″	28	46	)			

\*CUSTOM LENGTHS AVAILABLE



# BYPASS PIGGYBACK RESERVOIR PERFORMANCE RACE "PR





\*SHOWN OPTIONS: ANODIZED BLACK COMPONENTS & RESERVIOR, BLACK HOSE, CHROME SHOCK BODY, BLACK COIL SPACER, AND CUSTOMER POWDER COATED BLACK SPRINGS

3 TUBE BYPASS SHOWN, 2–5 TUBE CONFIGURATIONS AVAILABLE

# BYPASS REMOTE RESERVOIR PERFORMANCE RACE "PR"

<b>2.0</b> DIAMETER		<b>B.O</b>
2 TUBE BYPASS 6" PR2006-BP2H 8" PR2008-BP2H 10" PR2010-BP2H 12" PR2012-BP2H 14" PR2014-BP2H 16" PR2016-BP2H 3 TUBE BYPASS 6" PR2008-BP3H 8" PR2018-BP3H 10" PR2012-BP3H 14" PR2014-BP3H	2 TUBE BYPASS 6" PR2506-BP2H 8" PR2508-BP2H 10" PR2510-BP2H 12" PR2512-BP2H 14" PR2514-BP2H 16" PR2516-BP2H 3 TUBE BYPASS 6" PR2510-BP3H 8" PR2510-BP3H 10" PR2510-BP3H	2 TUBE BYPASS 8" PR3008-BP2H 10" PR3010-BP2H 12" PR3012-BP2H 14" PR3014-PB2H 16" PR3016-BP2H 3 TUBE BYPASS 8" PR3018-BP3H 10" PR3010-BP3H 12" PR3014-BP3H 14" PR3014-BP3H
16" <b>PR</b> 2016 <b>-BP</b> 3H	14" PR2514-BP3H 16" PR2516-BP3H 18" PR2518-BP3H	18" <b>PR</b> 3018 <b>-BP</b> 3H

2 TUBE BYPASS SHOWN, 2–5 TUBE CONFIGURATIONS AVAILABLE

COIL OVER EMULSION PERFORMANCE RACE "PR"



# **COIL OVER REMOTE RESERVOIR** PERFORMANCE RACE "PR"



**COIL CARRIER** PERFORMANCE RACE "PR"



-STANDARD STROKE LENGTHS ON PAGE 8 \*CUSTOM LENGTHS AVAILABLE

# COIL OVER PIGGYBACK RESERVOIR PERFORMANCE RACE "PR"





PR2518-COPBS



www.KINGSHOCKS.com

BJBALDWIN Multiple score trophy truck championships







RACE SERIES 4.0"x 16" 6 TUBE BYPASS WITH PIGGYBACK RESERVIOR

# PURE RACE SERIES

King's Pure Race Series shocks represent the highest level of race shock development; they are designed with one purpose in mind, all out racing. Our constant process of research and development has allowed us to dominate in the toughest races on the planet like the legendary Baja 1000 and the Dakar Rally.

The Pure Race series have unique materials and design features to withstand blistering temperatures up to 450 degrees and the immense forces encountered by the fastest competition only vehicles. Every aspect of these shocks has been optimized to deliver brute strength, unparalleled performance and precision adjustability. King Pure Race series shocks deliver the control you need whether you are floating through the whoops in a high strung screamer or punishing the dirt in your big bore heavyweight. If your goal is to dominate the competition you need to experience the level of control a set of Kings will provide.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

Shock cylinders are precision bored to within +/- .001, then honed after cadmium plating to remove buildup for a tight piston seal and optimum valving function. Coilover shocks are machined with our own truncated thread design for ultimate strength and trouble free spring adjustments.

Lightweight hard anodized 6063 aluminum alloy reservoirs dissipate heat quickly and will not rust due to gas charging contamination. Threaded end caps withstand high pressures and ease in maintenance.

O-ring Schrader cover that mounts to the cap, not the valve itself, creates a positive seal and keeps dirt and moisture out.

The heat treated 2024 aluminum alloy piston has our highly developed port configurations that contribute to the unique damping performance.

Heat treated stainless alloy valve shims have a unique grain structure that does not fracture and remains stable at high temperatures to maintain consistent valve function.

Wear bands are made from an exclusive Teflon bronze composite that wears longer than any other material available.

Viton rod seals withstand temps up to 450 degrees. Wiper seals are machined with diamond tooling from a high temperature resistant carbon composite material.

Large diameter shafts are induction heat treated, hard chromed and micro polished to a mirror finish. The 58-62 Rockwell hardness and 100,000 psi tensile strength shafts require expensive, specialized machining operations but the additional effort eliminates rock damage and creates a superior sealing surface.

Aluminum components are machined from aircraft quality billet.

# STANDARD STROKE LENGTHS



\*CUSTOM LENGTHS AVAILABLE

## BYPASS PIGGYBACK RESERVOIR PURF RACE SERIES

ORL	INTEL	JERTE
2.5 DIAMETER	<b>3.0</b> DIAMETER	<b>4.0</b>
2 TUBE BYPASS 8" RS2508-BP2P 10" RS2510-BP2P 12" RS2512-BP2P 14" RS2514-BP2P 3 TUBE BYPASS 8" RS2518-BP2P 3 TUBE BYPASS 8" RS2508-BP3P 10" RS2510-BP3P 12" RS2512-BP3P 14" RS2514-BP3P 16" RS2516-BP3P	3 TUBE BYPASS 8" RS3008-BP3P 10" RS3010-BP3P 12" RS3012-BP3P 14" RS3014-BP3P 16" RS3016-BP3P 18" RS3018-BP3P 20" RS3020-BP3P 20" RS3020-BP3P 5 TUBE BYPASS 8" RS3008-BP5P 10" RS3012-BP5P 12" RS3012-BP5P 14" RS3014-BP5P 16" RS3016-BP5P 18" RS3018-BP5P 20" RS3020-BP5P 20" RS3020-BP5P 20" RS3020-BP5P	5 TUBE BYPASS 10" RS4010-BP5F 12" RS4012-BP5F 14" RS4014-BP5F 16" RS4016-BP5F 16" RS4018-BP5F 20" RS4020-BP5F 20" RS4020-BP5F 20" RS4010-BP6F 12" RS4010-BP6F 12" RS4012-BP6F 14" RS4014-BP6F 16" RS4018-BP6F 20" RS4020-BP6F 20" RS4020-BP6F 20" RS4026-BP6F

# WHY PURE RACE SERIES?

King, Pure Race series bypass and coil over shocks are built to exacting standards with one thing in mind; performance above all else. Bypass shock tubes are made from 4130 Chromoly material. The bypass ports are cnc drilled then hand de-burred and polished. The bypass tubes are beautifully tig welded in their designated locations before the completed assemblies are pressure tested to 300 psi. The welded and plated bodies are then precision bored to +/- .001 of an inch before honing. The ports consist of an array of smaller holes to help maintain piston seal. The piston slides over the fluid passages without scuffing the wear band or seals. The port openings are meticulously flow matched to the bypass tubes to provide unrestricted fluid flow to the valves. Tube locations are determined using your vehicle specifics and our knowledge base accumulated through years of testing. They are designed as a left and right and come with your choice of reservoir mounting options to fit your chassis like a glove.

King bypass valves are built to critical tolerances using high-temp 17-4 stainless steel alloy. Our adjusters offer a level of functional adjustability that is unmatched. The first turn of the high strength heat treated adjusting screw offers the same precise metering as the last. Each bypass stage is separately tunable, position sensitive and operates independently from the others. King's cold drawn 2024 billet aluminum piston design incorporates our deep understanding of fluid dynamics and precision machining abilities. The gapless, Teflon impregnated bronze wear band is pre-loaded in the piston groove with a Viton o-ring so it fits tightly into the bore and creates a double seal. This optimizes valving function and on the bypass shock seals so well that it allows the final compression stage to be used as a hydraulic bump stop. King bypass and coil over shocks contain stainless alloy heat treated valve shims that remain stable at high temperatures to maintain consistent damping and avoid fatigue cracks like carbon steel shims.

King Pure Race coil over shock bodies are machined with our own truncated thread design to produce ultimate strength and trouble free spring adjustments. Our three piece adjusting nut assembly has a unique pinch bolt design that offers superior clamping force to retain your coil preload adjustments without crushing the threads like set screw style collars do. It also includes an upper spring centering ring and nylon antifriction disc to make quick work of adjusting even the heaviest springs under substantial preload. Our machined billet nylon coil sliders maintain proper spring alignment and silent operation while withstanding temperatures up to 450 degrees. Progressive dual rate spring applications use a set of lockable secondary nuts threaded onto the body to allow precise adjustment of secondary spring engagement.

# BYPASS REMOTE RESERVOIR PURE RACE SERIES

26" RS4026-BP6H

DIAMETER		IAMETER
8" RS2508-BP2H 8" RS   10" RS2510-BP2H 10" RS   12" RS2512-BP2H 12" RS   14" RS2516-BP2H 12" RS   16" RS2516-BP2H 16" RS2516-BP2H 16"   16" RS2516-BP2H 16" RS 8"   3 TUBE BPASS 20" RS   8" RS2508-BP3H 26" RS   10" RS2510-BP3H 5 5   12" RS2512-BP3H 8" RS   10" RS2512-BP3H 8" RS   14" RS2516-BP3H 10" RS   16" RS2516-BP3H 11" RS   16" RS2516-BP3H 112" RS   18" RS2516-BP3H 14" RS   18" RS2516-BP3H 14" RS	33010-BP3H 12   33012-BP3H 14   33012-BP3H 14   33014-BP3H 16   33016-BP3H 18   33016-BP3H 18   33016-BP3H 18   33010-BP3H 20   33020-BP3H 26   33026-BP3H 10   33026-BP3H 10   33008-BP5H 12   33010-BP5H 14   33012-BP5H 16   33014-BP5H 18	RS4016-BP5H   RS4018-BP5H   RS4020-BP5H   RS4026-BP5H   6 TUBE BYPASS   RS4010-BP6H   RS4012-BP6H   8 TOBE BYPASS   RS4010-BP6H   RS4012-BP6H   RS4012-BP6H   RS4012-BP6H   RS4012-BP6H   RS4014-BP6H   RS4016-BP6H

18″ **RS**3018-BP5H

20" RS3020-BP5H RS3026-BP5H Springs twist during extension and compression. The King 3 Piece coil nut allows the springs natu

STANDARD STROKE LENGTHS ON PAGE 16 \*CUSTOM LENGTHS AVAILABLE





# MONSTER TRUCK SHOCKS

King Shocks is the leader when it comes to custom design and engineering. King air springs, coilovers and bypass shocks for Monster Trucks contain the same proven technology constantly being developed in brutal competition from stadiums across America to Baja and Dakar. Monster Trucks have evolved from merely a spectacle, performing slow speed car crushing, into highly engineered, competitive race trucks.

The unique demands placed on Monster Truck suspensions in competition require the highest level of damping performance and brute strength that only King custom shocks provide. King's constant progression in damping function, quality of materials and ultimate strength of components make us the natural choice if your goal is to dominate the competition. King's easily serviceable and tunable designs give you the adjustability you need to maintain your competitive edge and if needed, our tuning expertise is only a phone call or email away. Once you experience the performance and ride quality of King Shocks you will know there really is a difference. Nothing rides like a King.





# **COIL OVER**



www.KINGSHOCKS.com



# **AIR SHOCK SERIES**

Air shocks have been around for a long time. King's quality materials, unique design features and precise tolerances are what set our air shocks apart. King air shocks offer infinite height and pressure settings in addition to our easily adjustable valving. Tubular, hard chromed shafts further reduce the weight and urethane seals insure proper sealing and long life. The quality of our internal sealing allows you to set-up your air shock to also function as a bumpstop if needed.

King's air bypass shock provides the features of our air shock with the position sensitive damping control of our bypass design. This shock is a prime example of King's custom built for your application approach. If you don't see it, ask for it. Once you experience King shocks you will know there really is a difference. Nothing rides like a King.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

O-ring Schrader cover that mounts to the cap, not the valve itself creates a positive seal and keeps dirt and moisture out. Not available on air bypass.

Shock cylinders are precision bored to within +/-.001, then honed after cadmium plating to remove buildup for a tight piston seal and optimum valving function.

Aluminum components are machined from aircraft quality billet.

The heat treated 6061 aluminum alloy piston has our highly developed port configurations that contribute to the unique damping performance and famous King ride quality.

Heat treated stainless alloy valve shims have a unique grain structure that does not fracture and remains stable at high temperatures to maintain consistent valve function.

Wear bands are made from an exclusive Teflon bronze composite that wears longer than any other material available. The same material is used on beds and ways of precision cnc machines.

Large 1-1/4" or 1-5/8" diameter shafts have a minimum tensile strength of 75,000 pounds per square inch. They are hard chromed and micropolished to a 6 RA finish for extended seal life.

Steel Teflon lined spherical bearings for smooth articulation and long life with no metal to metal contact.

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BYPASS	
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- <b>AS</b> 3T	

# **STANDARD STROKE LENGTHS**

s				S		
	COMP	EXT	-		COMP	EXT
6″	14.17	20.17		6″	14.60	20.60
8″	16.17	24.17		8″	16.60	24.60
10″	18.17	28.17		10″	19.10	29.10
12″	20.67	32.67	-	12″	21.10	33.10
14″	22.67	36.67		14″	23.03	37.03
16″	24.67	40.67		16″	25.78	40.78
				18″	27.78	45.78

\*CUSTOM LENGTHS AVAILABLE



# **BUMP STOP SERIES**

King bump stops provide an additional level of bottoming control when you are using every bit of suspension travel available. We offer 2.0 and 2.5 inch diameter bodies with stroke lengths from 2 to 4 inches to fit any mounting location requirements and handle any suspension arresting loads. Our 4130 Chromoly mounting sleeves are precision machined to size and offer a secure and sturdy mount without pinching the bump stop body. Our unique Schrader cover mounts to the housing not the Schrader valve itself to protect it and acts as a double seal to keep dust and moisture out. Our bump stops contain a unique piston design that offers superior flow characteristics and the same quality micro polished shafts and advanced seal technology as our race shocks. Our long wearing nylon contact pad insures quiet operation and mounts with a simple yet effective single bolt design.

King bump stops help you use all the suspension travel you have to get the most out of your vehicle. They are easily tuned and serviceable with simple hand tools. You really need to experience the comfort and control a set of King bump stops provide. Nothing rides like King.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

Double o-ring Schrader cover that mounts to the body, not the valve itself creates a positive seal and keeps dirt and moisture out.

Unique mounting boss design with locating pin securely locates the bump stop without pinching the outside of the tube.

Bump stop bodies are precision bored to within +/-.001, then honed after cadmium plating to remove buildup for a tight piston seal and optimum valving function.

Aluminum components are machined from aircraft quality billet.

Large 1-1/4" or 1-5/8" diameter shafts have a minimum tensile strength of 75,000 pounds per square inch. They are hard chromed and micropolished to a 6 RA finish for extended seal life.

long wearing nylon contact pad insures quiet operation and mounts with a simple yet effective single bolt design.

4130 Chromoly bump stop mounting sleeve is bored to size after tig welding to provide a precise fit and strong mounting surface



2.5 DIAMETER 2.5″<mark>BS</mark>2526 4″ **BS**2541



# **OEM PERFORMANCE KITS**

King's new line of Original equipment manufacturer, (OEM), shock upgrade kits provide a bolt on suspension system that elevates your on and off-road performance to unmatched levels. Each kit has been subjected to punishing real world testing to develop the optimal damping curves and spring rates for your vehicle. Built with the same quality of materials and precise tolerances found on our high end race shocks our OEM upgrade kits enable you to experience the famous King ride quality on your daily driver.

Built with race winning design features our kits come complete and provide simple 100% bolt on installation with no cutting or welding done to your vehicle. Our front kits provide an adjustable ride height and up to a 25% increase in wheel travel. Rear kits typically allow a 15% travel increase. Large 2.5" diameter shock bodies and external reservoirs dramatically increase fluid capacity and heat dissipation to provide sustained damping performance even under the most punishing conditions. Our OEM upgrade shocks feature the same serviceable design that allows for valve adjustments with simple hand tools just like our race shocks.

Our experienced shock technicians are a phone call away to help should any questions arise during installation or use. Our kits are available ready to bolt into stock vehicles or with custom length rod end for vehicles running lifted aftermarket suspensions.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

Lightweight hard anodized 6063 aluminum alloy reservoirs dissipate heat quickly and will not rust due to gas charging contamination. High quality fittings are mated to Aeroquip high pressure hoses which resist abrasion and kinking.

2.5" Shock cylinders are precision bored to within +/-.001, then honed after cadmium plating to remove buildup for a tight piston seal and optimum valving function. Coilover shocks are machined with our own truncated thread design for ultimate strength and trouble free spring preload and height adjustments.

The heat treated 6061 aluminum alloy piston has our highly developed port configurations that contribute to the unique damping performance and famous King ride quality.

Wear bands are made from an exclusive Rulon composite that wears longer than any other material available.

Large 3/4" or 7/8" diameter shafts have a minimum tensile strength of 100,000 pounds per square inch. They are hard chromed and micro-polished to a 6 RA finish for extended seal life.

Aluminum components and vehicle specific mounts are machined from aircraft quality billet.

Steel Teflon lined spherical bearings for smooth articulation and long life with no metal to metal contact.

Front and rear kits all include the necessary vehicle specific mounting brackets and hardware along with detailed installation instructions.

# All Available Performance Series Kits

NEW KITS CONTINUOUSLY DEVELOPED CHECK WEBSITE OR CALL FOR UPDATES

	*	International valving, increased damping for heavy duty use.							_
Part #	International Valving Part #	Product Description	Reservoir Type	Max Tire	Lift	F	/ 		R
				BL / A	0"	7	Ļ	듹	
25001-259 25001-258	25001-259E 25001-258E	Land Cruiser HDJ100, Toyota 98-02 Front Shocks Land Cruiser HDJ100, Toyota 98-02 Rear Shocks	Piggyback Piggyback	N/A N/A	0"		1		JJ.
		Land Cruiser UD 1100 Tourts 00, 07 Front Coll Quere	Hans Demete	N/A	2″-3.5″				1772
25001-261 25001-262	25001-261E 25001-262E	Land Cruiser HDJ120, Toyota 03-07 Front Coil Overs Land Cruiser HDJ120, Toyota 03-07 Rear Shocks	Hose Remote Hose Remote	N/A N/A	0"				
25001-266	25001-266 <b>E</b>	Land Cruiser HDJ200, Toyota 08+ Front ?	Hose Remote	N/A	2"-3.5"			V///	
25001-266	25001-266E 25001-267E	Land Cruiser HDJ200, Toyota 08+ Rear ?	Hose Remote	N/A	0"				
25001-151	N/A	Tacoma, Toyota 96-04 (6 Lug) Front Coil Overs	Internal	32″	2″-3.5″				-000
25001-119	N/A	Tacoma, Toyota 05+ (6 Lug) Front Coil Overs	Hose Remote	32″	2″-3.5″				
25001-121	N/A	Tacoma, Toyota 05+ (6 Lug) Rear Shocks	Hose Remote	32″	0″				
25001-138	N/A	Tundra, Toyota 99-06 Front Coil Overs	Internal	33″	2″-3.5″				
25001-143	N/A	Tundra, Toyota 07+ Front Coil Overs	Hose Remote	33″	3″-4″				
25001-144	N/A	Tundra, Toyota 07+ Rear Shocks	Hose Remote	33″	0″		rs -		
25001-124	25001-124E	FJ Cruiser, Toyota 06-08 Front Coil Overs	Hose Remote	33″	2″-3.5″				
25001-125	25001-125E	FJ Cruiser, Toyota 06-08 Rear Shocks	Hose Remote	33″	0″		1		
25001-263	25001-263E	Hilux, Toyota 05-09 Front Coil Overs	Hose Remote	N/A	2"-3.5"				
25001-260	25001-260E	Hilux, Toyota 05-09 Rear Shocks	Piggyback	N/A	0"				
25001-168	N/A	F150, Ford 04-08 2wd Front Coil Overs	Internal	33″	2″-3.5″			11/h	
25001-170	N/A	F150, Ford 04-08 2wd Rear Shocks	Piggyback	33″	0"				
25001-167	N/A	F150, Ford 04-08 4wd Front Coil Overs	Hose Remote	33″	2"-3.5" 0"			L (	
25001-169	N/A	F150, Ford 04-08 4wd Rear Shocks	Piggyback	33″ 33″	2″-3.5″				
25001-211	N/A	F150, Ford 09+ 2wd Front Coil Overs	Internal Piggyback	33″	2 -3.5	M L			
25001-212	N/A	F150, Ford 09+ 2wd Rear Shocks F150, Ford 09+ 4wd Front Coil Overs	Hose Remote	33″	2″-3.5″				
25001-213	N/A			33″	2 3.5 0″				
25001-214	N/A	F150, Ford 09+ 4wd Rear Shocks	Piggyback	33	U	AT D			-10
25001-146	N/A	F250 /350, Ford 05+ Front Coil Over	Hose Remote	37″	2″-3.5″				PER
25001-171	N/A	F250 /350, Ford 05+ Rear Shocks	Piggyback	37″	0″				
25001-039	N/A	Titan, Nissan 04+ Front Coil Overs	Hose Remote	33″	2″-3.5″				
25001-142	N/A	Titan, Nissan 04+ Rear Shocks	Piggyback	33″	0″				ТО
25001-111	25001-111E	Frontier, Nissan 05-08 Front Coil Overs	Hose Remote	32″	2″-3.5″				Front 25
25001-110	25001-110E	Frontier, Nissan 05-08 Rear Shocks	Piggyback	32″	0″				Front 25
25001-156	25001-156E	Patrol, Nissan 05-09 Front Shocks	Hose Remote	N/A	0"				
25001-257	25001-157E	Patrol, Nissan 05-09 Rear Shocks	Piggyback	N/A	0″				Front 25
25001-264	25001-264E	Pajero / Montero / DID, Mitsubishi 06+ Front Coil Overs	Hose Remote	N/A	2″-3.5″				
25001-265	25001-265E	Pajero / Montero / DID, Mitsubishi 06+ Rear Shocks	Hose Remote	N/A	0″				
25001-160	25001-160E	Wrangler TJ, Jeep 97-06 Front Shocks	Piggyback	N/A	0″				
25001-161	25001-161E	Wrangler TJ, Jeep 97-06 Rear Shocks	Piggyback	N/A	0″	$\bigcap$			
25001-180	25001-180E	Wrangler JK, Jeep 07+ Front Shocks	Piggyback	N/A	0″				
25001-181	25001-181E	Wrangler JK, Jeep 07+ Rear Shocks	Piggyback	N/A	0″		_		
25001-166	25001-166E	Wrangler JK, Jeep 07+ 2.0 FP Front Shocks	Piggyback	N/A	0″				
25001-167	25001-167E	Wrangler JK, Jeep 07+ 2.0 FP Rear Shocks	Piggyback	N/A	0"				
25001-163	25001-163E	Grand Cherokee WK, Jeep 05+ Front Coil Overs	Hose Remote	N/A	2″-3.5″				
25001-166	25001-166E	Grand Cherokee WK, Jeep 05+ Rear Shocks	Piggyback	N/A	0"				
25001-148	N/A	1500/Tahoe, Chevy 07+ Front Coil Overs	Hose Remote	33″	2"-3.5" 0"				
25001-154	N/A	1500, Chevy 07+ Rear Shocks Tahoe, Chevy 07 Rear Shocks	Piggyback	33″ 33″	0 0″				
25001-150	N/A		Piggyback	33	0″				
25001-184	N/A	2500/3500HD, Chevy 01+ Front Shocks 2500/3500HD, Chevy 01+ Rear Shocks	Hose Remote	33 33″	0″				
25001-201	N/A		Piggyback	35″	0″				$\bigcirc$
25001-270	25001-270E	H2, Hummer 03+ Front Shocks	Hose Remote	35 35″	0″				
25001-271	25001-271E	H2, Hummer 03+ Rear Shocks	Piggyback	35	0		11/	///	



OEM TOYOTA Front 25001–259 Land Cruiser HDJ100 98–02 Front Shocks 25001-261 Land Cruiser HDJ12D D3-D7 Front Coil Overs 25001-266 Land Cruiser HDJ200 08+ Front Coil Overs

\*Custom Lengths Available For Aftermarket Lift Kits

Performance ser Toyota land crui

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

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# TOYOTA LAND CRUISER REAR PERFORMANCE SERIES

Land Cruiser HDJ100 98-02 Rear Shocks Land Cruiser HDJ120 03-07 Rear Shocks Land Cruiser HDJ200 08+ Rear Shocks

\*\*Custom Lengths Available For Aftermarket Lift Kits KITS COME COMPLETE WITH BRACKETS AND HARDWARE

	<b>DEM</b>
Rear	25001-258
Rear	25001-262
Rear	25001-267

# **TOYOTA TRUCKS FRONT** PERFORMANCE SERIES



Font 25001-151 Tacoma 96-04 (6 Lug) Front Coil Overs Font 25001-119 Tacoma 05+ (6 Lug) Front Coil Overs

ront 25001-138 Tundra 99-06 Front Coil Overs ront 25001-143 Tundra 07+ Front Coil Overs \*Custom Lengths Available For Aftermarket Lift Kits

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

# **TOYOTA TRUCKS REAR** PERFORMANCE SERIES

**OEM** TOTOTA

Tacoma 05+ (6 Lug) Rear Shocks Rear 25001-121

Tundra D8+ Rear Shocks Rear 25001-144

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\*\*Custom Lengths Available For Aftermarket Lift Kits

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

**TOYOTA FJ CRUISER FRONT** PERFORMANCE SERIES



ront 25001–124 FJ Cruiser D6+ Front Coil Overs

\*Custom Lengths Available For Aftermarket Lift Kits

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

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# **TOYOTA FJ CRUISER REAR** PERFORMANCE SERIES

\*\*Custom Lengths Available For Aftermarket Lift Kits



KITS COME COMPLETE WITH BRACKETS AND HARDWARE

www.KINGSHOCKS.com

VEHICLE SHOWN WITH AFTERMARKET LIFT KIT AND CUSTOM SHOCK CONFIGURATION

# FORD SUPER DUTY FRONT PERFORMANCE SERIES

**OEM** F O R D Front 25001–146 F250/350 05+ 4wd Front Coil Overs

Custom Lengths Available For Aftermarket Lift Kits

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

# FORD SUPER DUTY REAR PERFORMANCE SERIE\$



F250/350 05+ 4wd Rear Shocks Rear 25001-171

\*\*Custom Lengths Available For Aftermarket Lift Kits

OF

**Performance series** FORD F-150

KITS COME COMPLETE WITH BRACKETS AND HARDWARE

FORD F-150 FRONT

nt 25001–168 F150 04–08 2wd Front Coil Overs nt 25001–167 F150 04–08 4wd Front Coil Overs

ont 25001-211 F150 09+ 2wd Front Coil Overs ont 25001-213 F150 09+ 4wd Front Coil Overs

OEM FORD

PERFORMANCE SERIES

\*Custom Lengths Available For Aftermarket Lift Kits

# FORD F-150 REAR PERFORMANCE SERIES



F150 04-08 2wd Rear Shocks Rear 25001-170 F150 04-08 4wd Rear Shocks Rear 25001-169

F150 09+ 2wd Rear Shocks Rear 25001-212 F150 09+ 4wd Rear Shocks Rear 25001-214 \*\*Custom Lengths Available For Aftermarket Lift Kits











**OVERVIEW & FEATURES** 

**UIV** 

# **UTV SERIES**

After a year of extensive research to develop a UTV shock capable of winning the Baja 1000 and 500, (which we were the first to do), King's full line of performance shock systems for side by sides are now available to the public. Whether you're working on the farm, hitting the dunes or in the heat of competition, few vehicles offer the versatility and enjoyment that the modern UTV provides.

Designing a shock to work under such diverse conditions is no easy task. King's shock engineers utilized their extensive knowledge designing shocks that perform on all types of vehicles in some of the world's toughest environments to produce a shock line that fits the needs of UTV enthusiasts and racers. Our UTV shocks come in lengths to fit your stock suspension or custom versions to work with long travel kits. Our UTV shocks are built with the same quality materials and strict precision tolerances that we use in our high end race shocks. King UTV shocks with our optional Wide Range Compression Adjuster give you the ability to precisely adjust compression from super soft to super firm with a simple twist. The clearly marked billet knob offers 20 positive clicks of finely tuned adjustment.

Our shocks are easily serviceable with simple hand tools and offer machined billet construction, tunable valving, nitrogen pressure adjustable external reservoirs, and ride height adjustment. Now you can experience the ultimate performance and famous King ride quality on your UTV. Regardless if you are just out cruising or battling for the lead in competition the same set of King Shock's will give you the damping control you need. Nothing rides like a King.

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily tunable and serviceable with simple hand tools.

Bolt on installation available in stock lengths or extended versions for long travel suspensions.

Integrated piggyback style mounted light weight hard anodized 6061 aluminum alloy reservoirs dissipate heat quickly and will not rust due to gas charging contamination.

Shock cylinders are precision bored to within +/- .001 to ensure seal fit. Cylinders are honed after cadmium plating for precise piston sealing. Machined with our own truncated thread design for ultimate strength and trouble free spring preload and ride height adjustments.

Optional Wide Range Compression Adjuster. Clearly marked billet adjuster knob offers 20 positive clicks of finely tuned adjustment.

Large 3/4" diameter shafts have a minimum tensile strength of 100,000 pounds per square inch. They are hard chromed and micro-polished to a 6 RA finish for extended seal life.

Urethane foam bump stop included to cushion full bottoming.

Aluminum components are machined from aircraft quality billet.

Steel Teflon lined spherical bearings for smooth articulation and long life with no metal to metal contact.

PERFORMANCE SERIES KAWASAKI

Wide Range Compression Adjuster. Clearly marked billet adjuster knob offers 20 positive clicks of finely tuned adjustment.

# KAWASAKI TERYX PERFORMANCE SERIES

Front 20001-112 Front 20001-174 Rear 20001-173 Rear 20001-175 Rear 20001-175 Rear 20001-176 Rear 20001-176 Rear 20001-177 Rear

> Wide Range Compression Adjuster. Clearly marked billet adjuster knob offers 2D positive clicks of finely tuned adjustment.

4200



Extended Sway Bar Pivot Arm Included in front shock kits

# POLARIS RZR PERFORMANCE SERIES

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D8 + RZR Stock Replacement Front Coil Overs	Front 20001-110
DB + RZR Stock Replacement Front Coil Overs Adjustable	Front 20001-187
09 + RZR-S Stock Replacement Front Coil Overs	Front 20001-118
9 + RZR–S Stock Replacement Front Coil Overs Adjustable	Front 20001-189
DB + RZR Stock Replacement Rear Coil Overs	Rear 20001-111
DB + RZR Stock Replacement Rear Coil Overs Adjustable	Rear 20001-188
D9 + RZR-S Stock Replacement Rear Coil Overs	Rear 20001-119
19 + RZR-S Stock Replacement Rear Coil Overs Adjustable	Rear 20001-190
**Custom Lengths Available For Aftermarket Kits	

# **ARCTIC CAT** PERFORMANCE SERIES

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Front20001-115DB + Prowler Stock Replacement Front Coil OversFront20001-137DB + Prowler Stock Replacement Front Coil Overs AdjustableFront20001-135D9 + XTC 1000 Stock Replacement Front Coil OversFront20001-132D9 + XTC 1000 Stock Replacement Front Coil Overs Adjustable Front 20001-132UII + XTC 1000 Stock Replacement Front Coll Overs AdjustableRear 20001-130D6 + Prowler Stock Replacement Rear Coil OversRear 20001-203D6 + Prowler Stock Replacement Rear Coil Overs AdjustableRear 20001-131D6 + Prowler Stock Replacement 4 Seat Rear Coil OversRear 20001-204D6 + Prowler Stock Replacement 4 Seat Rear Coil OversRear 20001-136D9 + XTC 1000 Stock Replacement Rear Coil OversRear 20001-138D9 + XTC 1000 Stock Replacement 4 Seat Rear Coil OversRear 20001-138D9 + XTC 1000 Stock Replacement 4 Seat Rear Coil OversRear 20001-134D9 + XTC 1000 Stock Replacement 4 Seat Rear Coil OversRear 20001-134D9 + XTC 1000 Stock Replacement 4 Seat Rear Coil Overs \*\*Custom Lengths Available For Aftermarket Kits

Wide Range Compression Adjuster. Clearly marked billet adjuster knob offers 20 positive clicks of finely tuned adjustment.

# YAMAHA RHINO PERFORMANCE SERIES

Front 20001-192 Front 20001-202 **D4 + Rhino Stock Replacement Front Coil Overs D4 + Rhino Stock Replacement Front Coil Overs Adjustable** 

20001-196

Rear 20001-193 Rear 20001-195 Rear 20001-194 Rear 20001-196 □ 4 + Rhino Stock Replacement Rear Coil Overs □ 4 + Rhino Stock Replacement Rear Coil Overs Adjustable D4 + Rhino Stock Replacement 4 Seat Rear Coil Overs D4 + Rhino Stock Replacement 4 Seat Rear Coil Overs Adjustable **\*\*Custom Lengths Available For Aftermarket Kits** 

Wide Range Compression Adjuster. Clearly marked billet adjuster knob offers 20 positive clicks of finely tuned adjustment.







# **KING JACK**

The King Race Jack was conceived as a tough lightweight jacking device to be carried onboard race vehicles as a replacement for heavy awkward floor jacks. The King jack is a mechanical design that does not rely on hydraulic pressure to lift your vehicle. It will never lose fluid and leave you stranded in the middle of nowhere. The actuating nut is the same 3/4" hex that your lug nuts use so wheel changes are quick with no additional tools needed. The jacking boss is adjustable up and down on the jack body to compensate for the height of your vehicle. The jacking range is a full 14" to provide enough clearance for even the tallest tires. A King race jack will provide peace of mind and ease of operation when you need it most, don't get caught without one. Recommended for open wheel vehicles under 4500 pounds.Part # SJ1001

100% made in the USA under the strictest tolerances from the highest quality materials obtainable. Easily serviceable with simple hand tools.

Actuation screw has the same 3/4" hex as your lug nuts for quick tire changes.

Cadmium plated steel body is sealed from the elements.

Knurled Jacking pin adjusts up or down to match the ride height of your vehicle.

Billet aircraft quality aluminum components.

Large 1-1/4" hard chromed shaft has a full 14" of travel.

Steel Teflon lined spherical bearings for smooth articulation and long life with no metal to metal contact.

Rod end attaches to large round base through stainless steel Teflon lined spherical bearings for smooth articulation when jacking on uneven terrain.

# **KING AIR JACK**

King air jacks are a simple compact solution to lift your vehicle when service is needed. The 3.0" diameter bodies are designed to be permanently mounted on your fabricated mounts to each side of the chassis so they can independently lift one entire side of your race vehicle off the ground. The jacks are extended up to 18" by either Nitrogen or CO2 gas from an onboard tank. The double acting cylinders, (pressurized extension and retraction) have a pivoting base and a unique, heat treated shaft that allows it to deflect so you can jack on un-even terrain. King air jacks will get you back racing quickly giving you the competitive edge you need. Part # AJ1001



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# **KING SPRINGS**

### King has over 10,000 springs in stock. The largest and most complete spring inventory in the off-road industry.

King coil springs are manufactured to our specifications in the USA using the finest quality, high tensile, chrome silicon wire available. Our springs are specifically wound for off-road applications, not repackaged car springs. Our spring rates, wire diameters and coil lengths have been developed through extensive real world testing on all types of terrain. Our race winning designs have been put to the test in the heat of battle from Baja to Dakar.

All springs have closed and ground ends to sit flat and deflect true. We have the largest selection of springs to match your application, over 10,000 in stock, ready to go. We sell thousands of springs a month with barely a return ever, yet we offer a lifetime warranty to the original purchaser against sagging and breakage. You will have the added peace of mind knowing you're covered, just in case. In the rare occurrence that a spring does fail, it will be cheerfully replaced with no questions asked. Our customer support is second to none just like the quality and performance of our products. Nothing rides like a King.

### Decoding King coil part numbers:

Example; SPR375-22-250 375 = 3.75" internal diameter spring \* fits 3.0" shock. 22 = 22 inches long. 250 = 250 lbs. spring rate.

The spring rate is a number that represents the amount of force in pounds that it takes to compress the coil 1 inch.

King shocks are available with many coil spring options depending on your application. A single rate spring is a single coil on the shock. As the coil compresses the rate increases at a linear rate. If the spring rate for that coil is 300lbs per inch then compressing that coil one inch generates 300lbs., two inches generates 600lbs., 3 inches equals 900lbs. You can also have a dual rate spring which is two coils mounted to the shock. If the spring rates are equal on both coils your spring rate will be close to half that of each spring. As the coils compress equally the shock travels one inch but each coil only travels one half inch. Using our 300lb spring rate in the previous example if you have two 300lb springs and they each travel 1/2 inch then their combined force would be 150lbs.

You also have the option of more highly sophisticated dual rate configurations that use combinations of differently rated coils and secondary travel stops to give you non-linear spring rates. They can be softer initially and then reach higher levels of firmness than a linear coil of the same length. The variations and applications involved would require too lengthy an explanation to fit on this page but rest assured our experienced sales technicians can guide you through the process of configuring your shocks to provide the ultimate in ride comfort and control regardless of your application or driving style.

# **KING FACTORY REPLACEMENT PARTS**

King shocks are made from the finest materials available to provide years of trouble free service. Our shocks have evolved from pure racing designs so they are able to be tuned and serviced with simple hand tools. Any part on a King shock can be rebuilt or replaced with factory fresh pieces. When the time comes, convenient pre-packaged seal and shim kits as well as wear bands, bearings, shafts and shock oil are just a phone call away. All the parts that go into a King shock are identified below.



## Parts Glossary

1-Top Cap 2-Top Cap O-Ring 3-Secondary Nuts 4-Secondary Nut O-Ring 5-Shock Cylinder 6-Coil Adjustment Nut 7-Coil Spring 8-Coil Slider 9-Coil Plate 10-Piston Retaining Nut 11-Piston Retaining Washer 12-Valve Shims 13-Piston Wear band 14-Piston 15-Base Washer 16-Top Out Washer 17-Shaft Spacer 18-Shaft Guide / DU Bushing 19-Seal Cap 20-Shaft O-Ring 21-Main Seal 22-Main Seal Retainer 23-Seal Cap O-Ring 24-Shock Cylinder C-Clip 25-Wiper Cap O-Ring 26-Wiper Cap 27-Wiper Seal 28-Set Screw 29-Shock Shaft 30-Rod End 31-Coil Adjustment Pinch Bolt 32-Piggyback Mounting Sleeve 33-Reservoir C-Clip 34-Piggyback Adaptor O-Ring 35-Piggyback Reservoir Oil End Cap 36-Reservoir O-Rings 37-Reservoir Cylinder 38-Reservoir Piston Wear Band 39-Reservoir Piston 40-Remote Reservoir Air End Cap 41-Schrader Valve 42-Piggyback Mounting Plate Bolts 43-Piggyback Mounting Plate 44-Piggyback Reservoir End Cap Bolts 45-Spacer 46-Bearing C-Clips 47-Spherical bearing 48-Piggyback Mounting Sleeve O-Rings 49-Piston O-Ring 50-Main Seal C-Clip 51-Wiper Seal C-Clip 52-Wiper Seal Retainer 53-Wiper Seal 54-Wiper O-Ring 55-Wiper Cap Bolts 56-Remote Reservoir Hose 57-Remote Reservoir Oil End Cap 58-Remote Reservoir End Cap O-Ring 59-Schrader Valve Cap O-Ring 60-Schrader Valve Cap 61-Piston Bleed Screw 62-Seal Cap Bleed Screw 63-Bypass Valve 64-Bypass Spring 65-Bypass Valve Stop 66-Bypass Valve Stop Set Screw 67-Bypass Valve Stop O-Ring 68-Bypass Adjusting Nut O-Ring 69-Bypass Adjusting Nut 70-Bypass Adjusting Screw 71-Bypass Adjusting Jam Nut

KINL

Gallon size King, high performance shock fluid. Get the edge on your competition by running high quality, specially formulated, King shock oil. Shock Oil: Part # F10011 Air Shock oil: Part # F10012



### King seal replacement kit.

Rebuild your shocks with genuine factory replacement parts made from the proper materials for peak performance. Multiple kit sizes available



## King performance shim kit.

King valve shims are made from a unique stainless alloy that remains stable at high temperatures and does not crack like plain steel shims do. King shims are crucial to maintain proper, consistent performance from your King shocks. Multiple sizes available

## King piston wear bands.

King piston wear bands are made from Teflon impregnated bronze material unlike all others. They give you a higher level of safety and performance. Multiple sizes available



High pressure, high temperature, precision made Schrader valves.

CV2101-(short) CV2102-(long)

### Spherical bearing reducers/ spacers.

Properly locate your shocks while still allowing articulation with these spacers. Available to fit several bolt sizes and mounting tab widths. Multiple sizes available



### Cylinder and shaft clamping soft jaws.

Get a firm grip on shock bodies and shafts when doing service without scratches or dents. Part # 100-001-(3/4"shaft) 100-002-(7/8"shaft) 100-003-(1"shaft) 100-004-(1 1/4"shaft) 100-005-(2.0PR clamp) 101-002-(2.5PR clamp) 101-001-(2.5RS clamp) 101-004-(3.0RS clamp) 101-003-(2.5&3.0RES clamp)



### Coil nut adjusting spanner wrenches.

Beautifully anodized billet spanner wrenches for 2.0 and 2.5 diameter shock preload adjustments. Part # T1002-(2.0) T1002-002-(2.5)



### T-Handle coil nut adjuster wrench.

Make quick work of coil nut adjustments with this textured t-handled adjuster. One size for 3.0 and bigger and another for 2.0 and 2.5 inch shocks. Part # 25308-100-(2.0 & 2.5) 30313-100-(3.0)

Standard coil nut adjuster wrench. Simple, durable coil nut adjuster wrench for setting preload and ride height. Part # 25308-002

### Retaining ring pliers.

Quality, precision, German made snap ring pliers have comfortable padded grips. They come in two sizes to handle a range of snap ring diameters. Part # CR2901-(small) CR2902-(large)



### King shock charging manifold Accurate 0-400 PSI pressure gage, easy to use manifold for precise shock charging. Part # T1001-100

King assorted decal kit.

Show your pride in running the best shocks available with King decals. Part # D13001



King Shocks, the leader in performance damping technology, is currently expanding their dealer network. Join the team that continuously leads the way with innovative designs and the most comprehensive customer support in the industry. King shocks are designed to allow custom tuning to suit your customer's vehicle and driving style. There are over 30 custom options available to provide your customers with endless choices when purchasing their King shocks. Applications are available for UTV's, bolt on OEM upgrades, Sand cars, 4X4's, custom applications and all out racing. As a dealer, you can attend King factory technical training to provide custom tuning and rebuilding to your customers, or concentrate on sales and rely on the existing factory provided services, the choice is yours.

King Shocks are made in the USA using the finest raw materials available under the strictest precision tolerances. Not only are they the best performing shocks, they are also exquisitely finished jewels that will add appeal to any vehicle. King's quality and value will help you gain a diversified, loyal, customer base with the high level of satisfaction that comes from owning the best. Inquire today about all the benefits of becoming an authorized dealer and servicer of King performance shock absorbers.

King Shock Technology, (King Shocks), reserves the right to change or modify any of the products and their inherent physical and technical specifications without prior notice. King Shocks and affiliates assume no responsibility or liability for any errors or inaccuracies within. Products may not be exactly as displayed; prices and specs are subject to change without notice. Plating, anodizing and other coatings used are warranted to be free from defects at time of sale only. They may degrade over time depending on environmental conditions beyond the control of King Shocks. King Shocks' products are warranted to be free from manufacturing defects for a period of 90 days from date of purchase. The warranty does not cover; crash damage, abuse, modified and/or use of non- King parts, lack of maintenance or incorrect supplied dimensions and or specifications on custom orders. The user shall determine the suitability of the product for his or her intended use and shall assume all risk and liability in connection therewith.

At King Shocks we have built our business on personal service and a commitment to 100% customer satisfaction. If for any reason you are unhappy with any of our products contact King customer service at (714) 530-8701 phone (714) 530-8702 fax or email to: info@kingshocks.com

All customer returns must be authorized by King Shocks. A return authorization number (RA#) will be issued which must be included with the returned parts. The RA# provides a tracking number when inquiring about shocks delivered to King for rebuilding and/or repair. Please retain this number for all inquiries pertaining to returned shocks. In the event that your King Shocks need to be returned for whatever reason there will be a 15% restocking fee. Custom orders and/or scratched or otherwise damaged parts cannot be returned to stock.

When shipping shocks to King wrap the item(s) individually with foam or bubble wrap. Pack the item(s) in a sturdy box filled with popcorn-type or bubble wrap packing material. Include a packing slip with the following information:

-Customer Name, Phone Number and return Shipping Address.

number.

# JOIN THE KING DEALER NETWORK

## THE KING SHOCK WARRANTY

## **RETURN POLICY**

-Product being returned, detailed description of services required and RA