



A Chris Alston's Chassisworks, Inc. Brand

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QuickSet 4 Remote Reservoir Coil-Over 4-Way Adjustable Coil-Over Shock Absorbers

QuickSet 4 Remote Reservoir (Q4R)

Our gas-pressurized remote reservoir QuickSet 4 system offers excellent performance with increased travel range at an affordable price when compared to shocks offered by other manufacturers with similar features.

Four 16-position knobs provide high- and low-speed adjustment of bump and rebound independently. The Q4R 4-way valve system is VariShock's most versatile and flexible tuning option with thousands of shock-force-curve variations possible. To support this level of tuning sophistication VariShock provides detailed technical guides to assist you throughout the tuning process.

VariShocks are engineered, manufactured, and assembled in America using state-of-the-art engineering workstations and computer-numeric-controlled 5-axis (CNC) manufacturing equipment. Each component, including valves, adjusters, and internal shaft seals is designed and manufactured specifically for use in VariShock products. This level of clean-sheet engineering was the first step to producing an excellent product that can be adjusted to your exact needs.



Part Number	Description	Usage	Spring	Compressed	Extended	Travel
VAS 11411-35	QuickSet 4 Remote Reservoir	front	7"	9.31"	12.81"	3.50"
VAS 11411-43	QuickSet 4 Remote Reservoir	both	9"	10.06"	14.31"	4.25"
VAS 11411-50	QuickSet 4 Remote Reservoir	rear	12"	10.81"	15.81"	5.00"
VAS 11411-60	QuickSet 4 Remote Reservoir	rear	12"	11.81"	17.81"	6.00"
VAS 11411-70	QuickSet 4 Remote Reservoir	rear	14"	12.81"	19.81"	7.00"
VAS 114V1-43*	QuickSet 4 Remote Reservoir	front	9"	12.06"	16.31"	4.25"

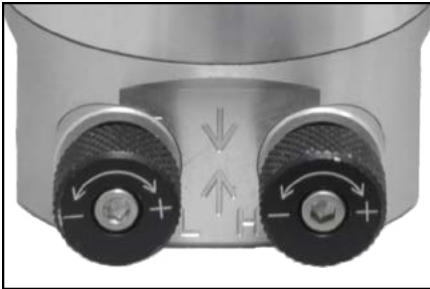
NOTE: Sold only in pairs. Springs sold separately. (*) 2" Extended base fits Total Control Products front coil-over conversion TCP FCOC-FD

4-Way Adjustable Valve System

The VariShock Q4R remote reservoir shock separates the bump and rebound valve mechanisms between the two units to free up valuable space within the main shock body. The benefit is a shorter shock length that provides greater flexibility when mounting without sacrificing shock travel. Each adjustment knob can be set to one of sixteen different positions and clearly marked to illustrate the effect it has on the shock's performance.

Bump Adjustment Independent High- and Low-Speed

Located at the base of the remote reservoir are the bump valve adjustment knobs. The facing arrows represent the shock coming together (bump/compression) with the letters "L" and "H" labeling the low-speed and high-speed knobs respectively. "Plus" and "minus" signs etched into each knob show the rotation direction to increase or decrease valve stiffness.



Rebound Adjustment Independent High- and Low-Speed

The rebound valve adjustment knobs are located on the base of the shock. The opposing arrows represent the shock separating (rebound/extension) with the letters "L" and "H" labeling the low-speed and high-speed knobs respectively. "Plus" and "minus" signs etched into each knob show the rotation direction to increase or decrease valve stiffness.



Double-Swivel Banjo

...can be rotated 360-degrees for hose clearance. Plus the hose can rotate 360-degrees to position the reservoir without kinking the hose.

High-Travel VariSprings

VariSpring's line of coil springs was designed to complement the VariShock family. A new high-tensile wire is used that is stronger than the chrome-silicon wire used by other manufacturers. The improved material allows VariSprings to compress until the coils touch without damaging the springs or causing them to take a set, which adversely affects handling and randomly changes the spring height. This additional range of usable flex gives VariSprings greater travel than competitors' chrome-silicon springs of the same rate and permits the use of a more aggressive coil angle, reducing material used and overall weight. VariSprings can improve suspension control and available traction by allowing your shock to operate throughout its entire travel range. VariSprings are available for front and rear applications in four lengths and a broad range of spring rates to suit a variety of shock and performance applications. Lengths range from 7 to 14 inches and rates from 80 to 850 pounds per inch, depending upon spring length. The steps between rates are sufficiently close to make very fine adjustments.



Part Number	Description
VAS 21-07XXX	7" travel VariSprings - 210-650 lb/in rates
VAS 21-09XXX	9" travel VariSprings - 185-950 lb/in rates
VAS 21-12XXX	12" travel VariSprings - 80-650 lb/in rates
NOTE: Sold only in pairs.	

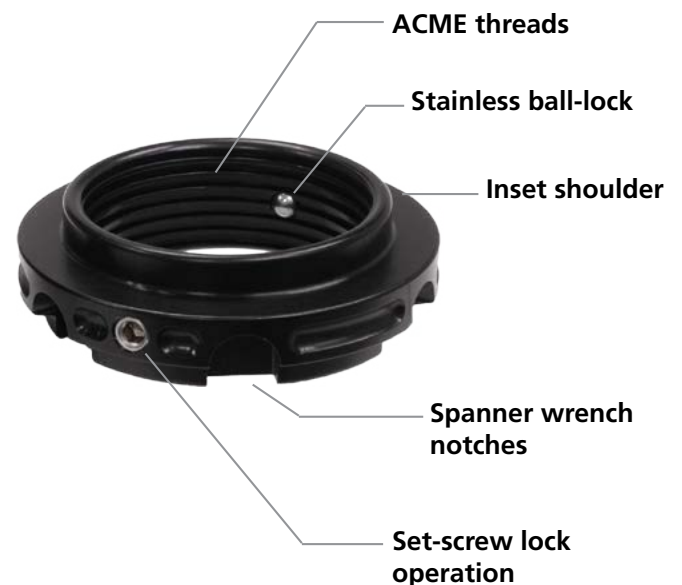
Billet Spring Seat Hardware

To mount the spring over the shock, VariShock billet aluminum upper and lower spring seats are required. Spring seats utilize inset shoulders and application specific bores to perfectly align the top mount, spring, and shock body.

Upper Spring Seats – Coil-over-shock upper seats feature an open slot that allows the spring to be easily installed or replaced without removing the upper mounting eye.

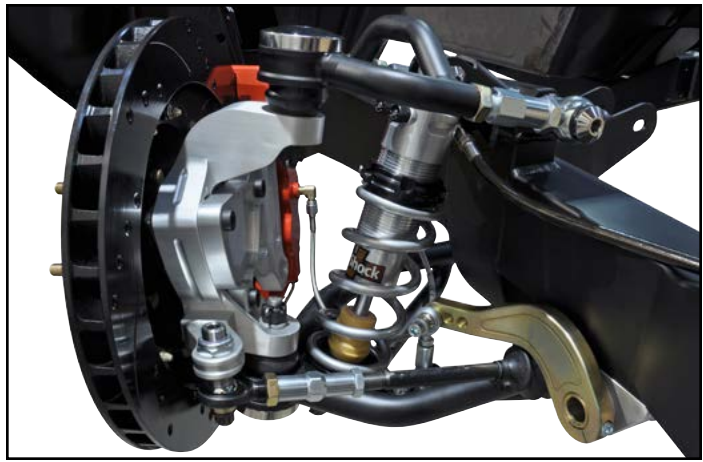


Lower Spring Seat – The one-piece lower spring seat rides on the shock-body ACME threads and is used to adjust spring preload. Each seat features two spring-loaded, ball-lock mechanisms to securely hold the adjusted setting. When rotated, the ball-locks and shock-body grooves provide positive-click stops to audibly and physically notify you of every half-turn. The lock mechanism is easily operated using a common 5/32" allen wrench to tighten (lock) or loosen (unlock) the spring seat's two set screws. The lower spring seat also features six individual notches that enable the VariShock four-tang spanner wrench to interlock with the spring seat for slip-free adjustment. Upper and lower spring seats are anodized for surface hardening and improved appearance.





Reservoirs can be mounted to the forward strut bars with the optional 1-5/8"-round billet clamps. Flat-base clamps are also available for mounting against flat surfaces or panels.



Adjusting the shock preload and dampening can be done without removing the shock.



An optional shock mount inset is available with the trunk-area floor kit to cleanly display the reservoirs in the trunk.



Various hardware is available to assist in safely routing the reservoir hose. The rubberized clamp and bracket set, shown above, fits against the jam nut of any 3/4" thread rod end or adjuster.



The passage bulkhead provides a clean and safe way of passing the remote reservoir through any accessible flat surface and securing the hose.

Remote Reservoir Mounts

Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - Flat Surface)

Contains a pair of mounts to attach two 2.225" OD reservoir to a flat surface with 1/4" bolts on 2.00" spacing.



Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - 1-5/8" Open

Contains a pair of mounts to attach two 2.225" OD reservoir to 1-5/8" tube.



Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - 1" Pass-Through

Contains: a pair of mounts to attach two 2.225" OD reservoir to 1" OD tube, pass thru style.



Remote Shock Reservoir Mount, Silo-Style - Flat Surface

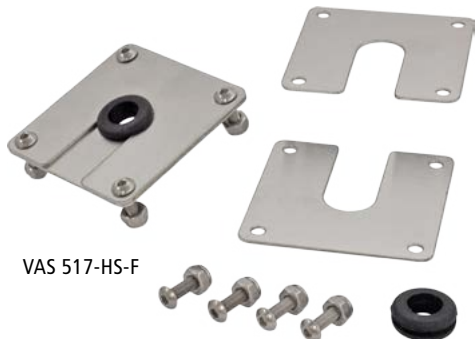
Set of mounts to attach two VariShock reservoirs to a flat surface requires 2-1/2" pass thru holes.



Part Number	Description
VAS 516-01-000	Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - Flat Surface) (pair)
VAS 516-01-100P	Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - 1" Pass-Through (pair)
VAS 516-01-163	Remote Shock Reservoir Mount (2.225" ID), Clamp-Style - 1-5/8" Open (pair)
VAS 517-RD-F	Remote Shock Reservoir Mount, Silo-Style (dual) - Flat Surface) (each)
VAS 517-RS-F	Remote Shock Reservoir Mount, Silo-Style (single) - Flat Surface) (pair)

Remote Shock Reservoir Passage Bulkhead (2.5" ID x 1/2" Hose) Flat Surface

Set of closeouts to seal two VariShock reservoir hoses in separate locations to a flat surface requires 2-1/2" pass thru hole.



VAS 517-HS-F

Hose Clamp with Bracket Set – 3/4"-Bore Mount with 1/2" Hose Clamp

Teardrop UCA clamp 3/4" hole attaches -5 hose to any upper control arm with 3/4" adjuster.



VAS 517-HS-H

Coil-Over Spring Seat Extended

Single 3/4"-offset seat for 2-1/2" ID spring.



899-002-204

Spring-Seat Thrust Bearings

Thrust bearings are used at the lower spring seat to reduce friction when adjusting ride height. New stainless "cap-style" seats, a VariShock exclusive, enclose the thrust bearing to keep dirt out.



VAS 513-100

Spanner Wrench

Also available is an exclusive spanner wrench, incorporating four tangs, which will not slip off the lower spring seat because it engages the seat in four places (not one, like common spanners).



899-012-201

Coil-Over Spring Compressor

The VariShock coil-over-spring compressor greatly eases lower-spring-collar adjustment on high-preload or high-rate applications. Heavy-duty plates at each end fit 2-1/2" inside-diameter coil springs of 130 lb., rate or greater, with a maximum spring height of 14".



VAS 200

Part Number	Description
VAS 200	Coil-over spring compressor for 2-1/2" springs)
VAS 513-100	Spring seat thrust bearing set (pair)
VAS 517-HS-F	Single hose flat surface pass thru bulkhead (pair)
VAS 517-HS-H	Teardrop upper control arm clamp 3/4" hole (attaches to UCA adjuster) (pair)
899-002-204	Coil-over spring seat extended (sold individually)
899-012-201	VariShock spanner wrench, zinc plated steel

All prices subject to change. Current pricing available at www.varishock.com.



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