



These instructions can be found in color and expandable at QA1.net

Technical Support Line: (952) 985-5675 Email: sales@QA1.net

### INSTALLATION INSTRUCTIONS

QA1 P/N RDK52622, RDK52623, RDK52624, RK112K  
'07-'18 Silverado Rear Shackle Kit (2" to 3" drop)

### TOOLS AND SUPPLIES REQUIRED

- Floor Jack
- Two (2) Jack Stands
- SAE and Metric Wrench Set
- Torque Wrench
- Anti-seize
- Ratchet & Socket Set

### PRE INSTALLATION NOTES:

Confirm that all the hardware listed on page 3 is present before beginning the installation.

### DISASSEMBLY-

- 1) Chock the front tires with the truck in gear (manual transmission) or park (automatic transmission).
- 2) Raise and support the rear of the vehicle and support using jack stands at the manufacturers specified locations. NEVER work on or go underneath a vehicle supported only by a jack.
- 3) Support the rear axle using a jack to take pressure off the leaf springs. Do not apply enough force to raise the truck.
- 4) Remove the rear leaf spring to shackle mounting bolt from one side of the truck at a time. Do not remove both left and right leaf spring bolts at the same time. **(Figure 1)**
- 5) Remove the shackle to frame bracket mounting bolt and remove the shackle from the truck.



Figure 1

### 2" or 3" Drop-

The installation of just the shackles with the spring mounted to the upper hole will result in 2" of drop. For 3" of drop, the factory block will also need to be removed. The shackle is installed the same for both 2" and 3" drop, with the removal of the factory block being the only difference.

If 3" of drop is desired, remove the factory block **(Figure 2)** by removing the u-bolts while the axle is supported. If removing the factory block, re-install the u-bolts with the included thick fender washers under the u-bolt nuts. **Failure to install the thick fender washers under the nuts will result in the nuts running out of thread before the u-bolts are tight.** Torque to 74 lb. ft.

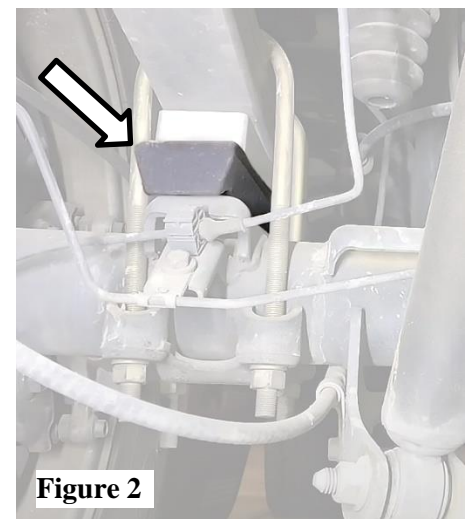
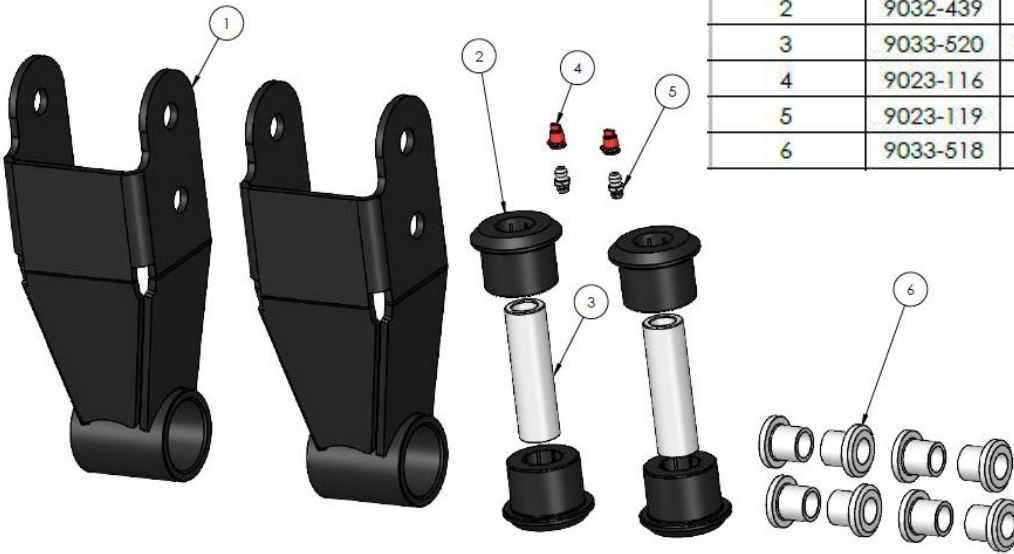


Figure 2

BALLOON #	ITEM #	DESCRIPTION	QTY.
1	9637-687	WELDMENT, SPRING SHACKLE	2
2	9032-439	BUSHING, POLY 2-PIECE, BLACK	4
3	9033-520	SLEEVE, .875" OD X .563" ID X 3.00" L	2
4	9023-116	CAP, GREASE ZERK	2
5	9023-119	FITTING, ZERK 1/4-28, STRAIGHT	2
6	9033-518	SPACER, 14MM ID X .75" OD X .86"	8



### ASSEMBLY AND INSTALLATION-

- 1) Push one bushing half (#2) into each end of the QA1 spring shackle (#1).
- 2) Lightly grease the metal sleeve using marine grease (#3) before inserting it through the bushings.
- 3) Thread the included grease fitting (#5) into the end of the bushing can with a 7mm socket. Tighten to 37 lb. in.
- 4) Use 1-2 pumps of marine grease before installing the red grease cap (#4). Do not over grease this part as it will bulge the bushing halves out of the assembly.
- 5) Install the shackle to the factory leaf hanger with the bushing end down and the closed portion of the shackle towards the rear. (Figure 3 & 4) Secure using the supplied 14mm bolt, two washers and nyloc nut per connection. Torque to 70 lb. ft.
- 6) Install the eyelet of the spring into the top shackle hole and secure with the supplied 14mm bolts, two washers and nyloc nut per side. Torque to 70 lb. ft. (The lower spring mount hole in the QA1 shackle is only used with additional parts in the QA1 4"-6" drop kit)

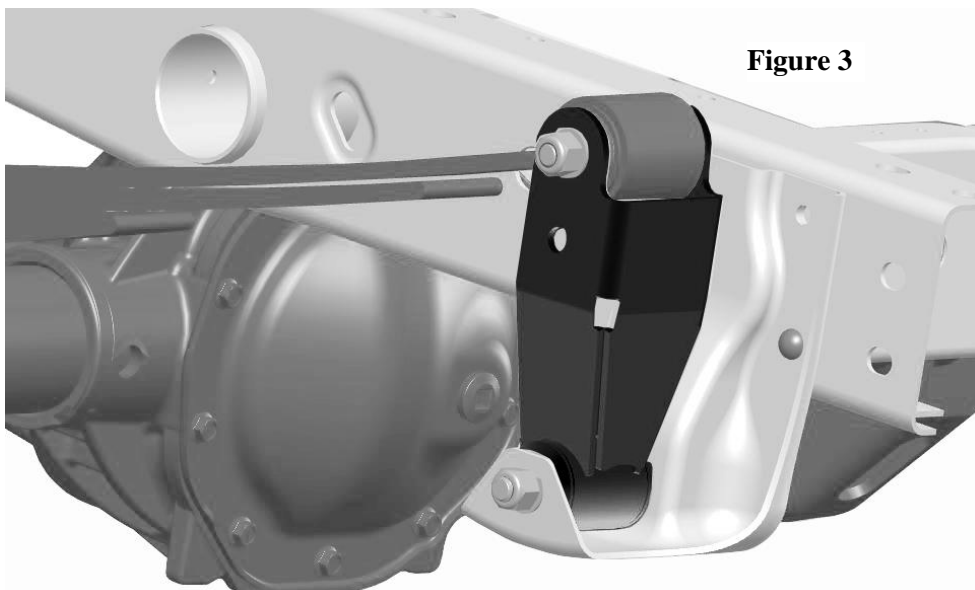


Figure 3

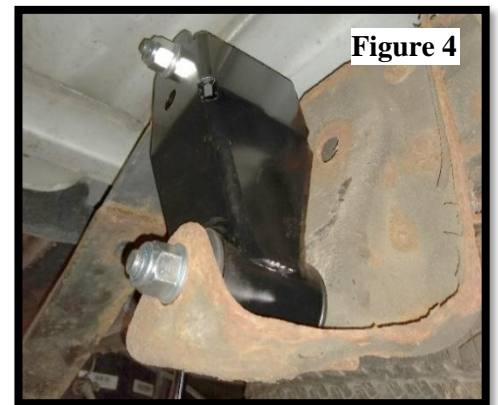
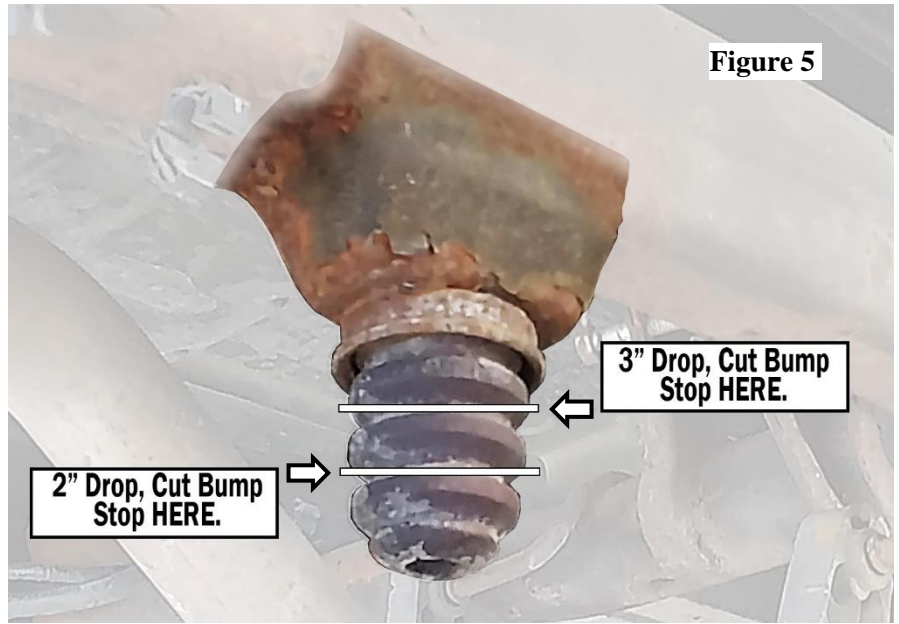


Figure 4

Figure 5



- 7) Trim the factory bump stop to the length matching the amount of drop. (Figure 5)

## Hardware List

DESCRIPTION	QTY/KIT
HEX HEAD BOLT, M14-2.0 X 110MM, CLASS 10.9 ZINC	4
NYLOCK NUT, M14-2.0, 16MM HT, CLASS 10, ZINC	4
WASHER, M14, 28MM OD, ZINC	8
OVERSIZED WASHER, M14, 15MM ID, 36MM OD, 5.4-6.6 MM THICK. ZINC	8

### SHOCK INSTALLATION-

- 1) Install one spacer (#6) into each side of the shock bushings. (Figure 6) Each shock will use a total of four spacers.
- 2) Install the shocks into the factory shock mounts re-using the factory hardware. The adjustment knobs should be towards the bottom, facing the rear of the truck. Torque to 85 lb. ft.

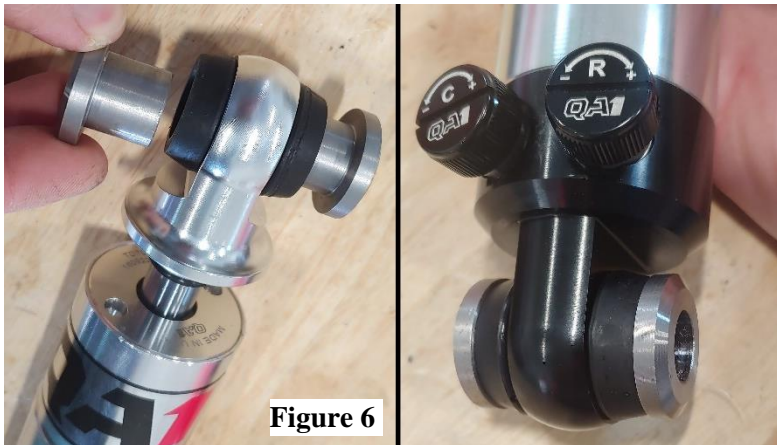


Figure 6



## Rear Shock Valving Adjustments

### Shocks with one adjuster knob:

### Shocks with two adjuster knobs:

		<i>Compression</i>	<i>Rebound</i>
Drag Racing:	4-10 clicks	7-12 clicks	2-8 clicks
Nice ride and handling:	0-6 clicks	0-6 clicks	2-8 clicks
Firm ride & improved handling:	6-12 clicks	6-12 clicks	8-14 clicks
Aggressive handling:	13-18 clicks	13+ clicks	14-18 clicks

**Important Notice Regarding ADAS:** This product may affect the operation of your vehicle's ADAS, such as lane departure warning systems, automatic emergency braking systems, and adaptive cruise control systems. It is the responsibility of the installer to ensure that the ADAS systems are properly recalibrated after installation. Failure to do so may result in the ADAS systems not operating as intended and could potentially lead to a collision or other safety hazards. By purchasing and installing this product, you acknowledge and accept the risks associated with modifying your vehicle's suspension and potentially affecting its ADAS systems.



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READ ALL INSTRUCTIONS CAREFULLY AND THOROUGHLY PRIOR TO STARTING INSTALLATION. PRODUCTS THAT HAVE BEEN INSTALLED ARE NOT ELIGIBLE FOR RETURN. USE THE PROPER JACKING LOCATIONS. DEATH OR SERIOUS INJURY CAN RESULT IF INSTRUCTIONS ARE NOT CORRECTLY FOLLOWED. A GOOD CHASSIS MANUAL, AVAILABLE AT YOUR LOCAL PARTS STORE, MAY ALSO AID IN YOUR INSTALLATION.

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