



**DON'T FORGET**

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 RDK52625, RDK52626, RDK52627  
'07-'18 Silverado Rear Coil-over System (4" to 6" drop)

**TOOLS AND SUPPLIES REQUIRED**

- Floor Jack
- Two (2) Jack Stands
- SAE and Metric Wrench Set
- Ratchet & Socket Set
- Torque Wrench
- Anti-seize
- 3/8"-16 tap



**PRE INSTALLATION NOTES:**

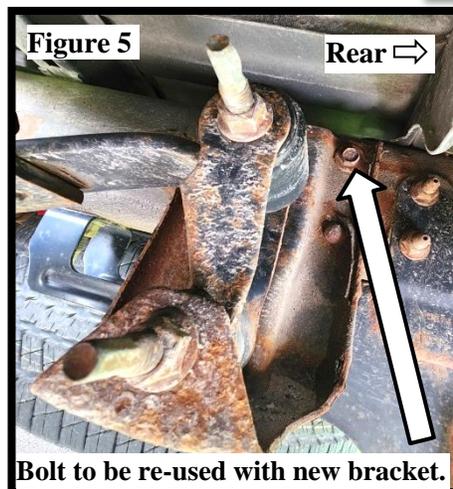
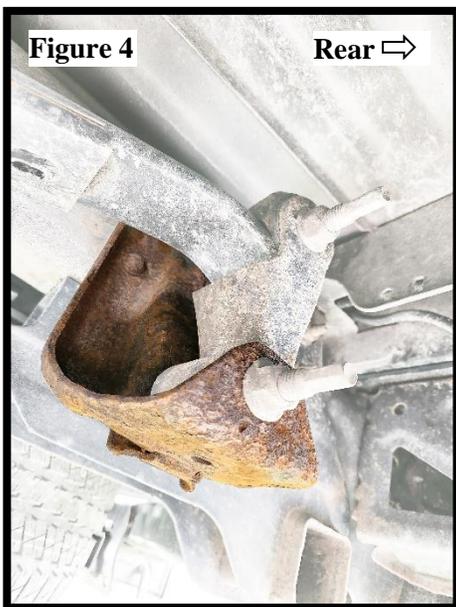
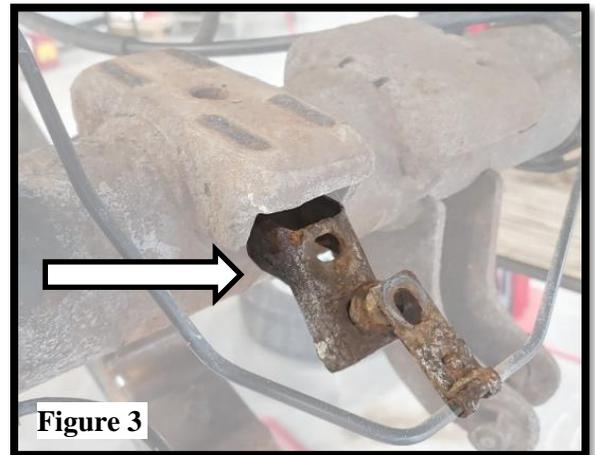
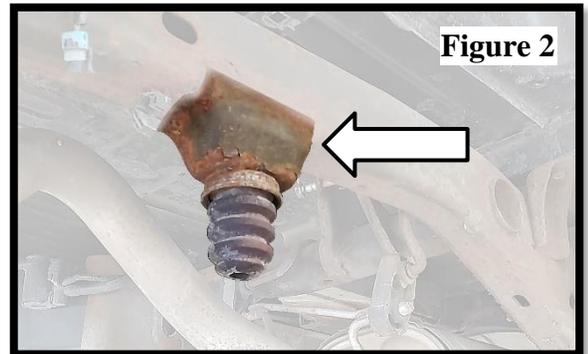
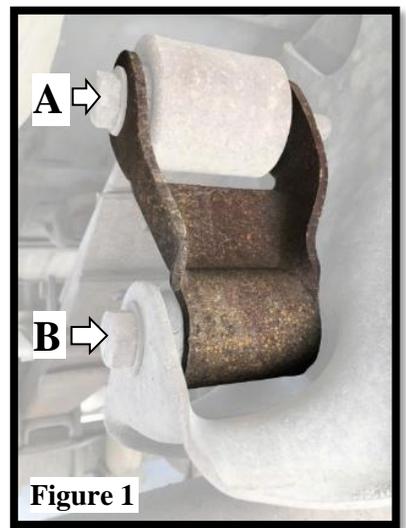
This installation will require the axle to be installed on top of the leaf springs, which will require removing the axle and repositioning it from its factory position under the leaf springs.

Confirm that all of the hardware listed on page 5 is present before beginning the installation.

**DISASSEMBLY-**

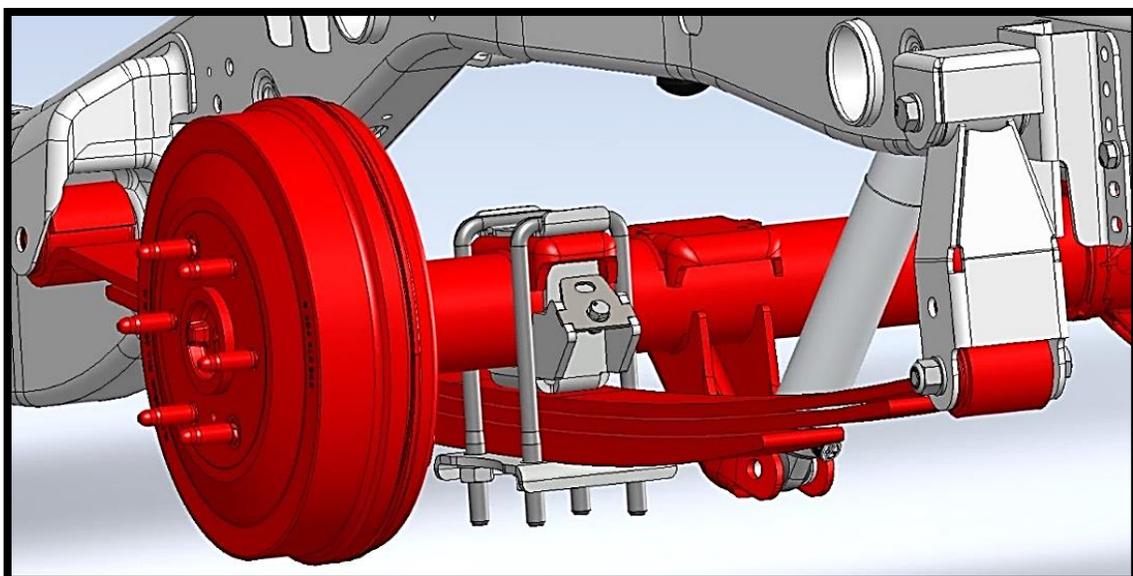
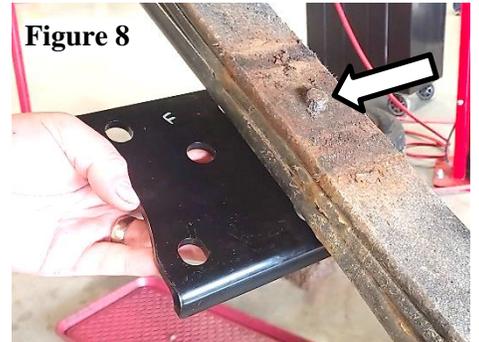
- 1) Chock the front tires with the truck in gear (manual transmission) or park (automatic transmission).
- 2) Raise and support the rear of the vehicle and support using jack stands at the manufacturers specified locations. NEVER work on or go underneath a vehicle supported only by a jack.
- 3) Remove the rear shocks.
- 4) Mark the phasing of the driveshaft and remove it from the truck.

- 5) Support the rear axle using a jack to take pressure off the leaf springs. Do not apply enough force to raise the truck.
- 6) Remove the brake lines, e-brake cables, and ABS sensors from the axle.
- 7) While supporting the axle, evenly remove the u-bolts holding the axle to the leaf springs. Retain the u-bolts and hardware to be re-used with this suspension.
- 8) With the axle removed from the truck, remove the rear leaf spring shackle to leaf spring mounting bolt from each side of the truck. **(Figure 1, point A)**
- 9) Remove the shackle to chassis bracket mounting bolt and remove the shackle from the truck. **(Figure 1, point B)**
- 10) Remove the welds of the factory bump stop boxes and discard. Use caution as to not remove any more material from the frame than necessary. **(Figure 2)**
- 11) Cut both brake line mounting tabs off of the axle. **(Figure 3)**
- 12) Remove the six bolts holding the hitch receiver to the frame. This will allow access to the rear leaf mount that will need to be removed in the following step.
- 13) Remove the mounting bolts holding the rear shackle brackets to the frame. **(Figure 4)** The rear-most upper bolt on each side of the truck will need to be reused for the new bracket. **(Figure 5)**
- 14) One small weld and a rivet will need to be removed to fully remove the mount. **(Figure 6)**

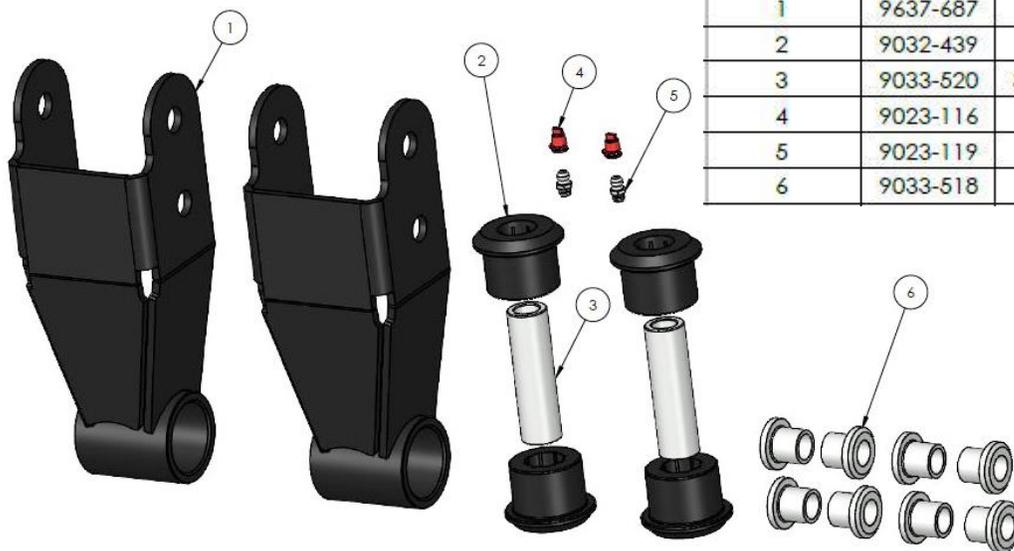


## ASSEMBLY-

- 1) Drill and tap a hole around the center where the factory bump stop boxes were located to 3/8"-16 before threading in the included bump stop. **(Figure 7)**
- 2) Unbolt the centering pin of the leaf springs and mount it reverse of the factory location. The centering pin should now protrude on the top side of the leaf spring with the securing nut on the bottom side of the leaf. **(Figure 8)**
- 3) Move the rear axle into position on the top of the leaf springs.
- 4) Place the axle mount with the brake line tab towards the rear of the truck under the axle before setting the axle on top of the leaf springs. **(Figure 9)** Do not install the factory block between the axle and the leaf springs. All three QA1 mounts are not left/right specific and can be used on either side of the truck.
- 5) Place the narrow plate on top of the axle pad with the small hole towards the rear of the truck. **(Figure 10)**
- 6) Install the larger plate to the bottom side of the leaf springs with the large hole in the plate towards the front of the truck and locating on the leaf spring centering pin. Secure the mounts re-using the factory U-bolts. **(Figure 8)** Evenly torque all U-bolt nuts to 74 lb. ft.



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



### SHACKLE ASSEMBLY-

- A. Push one bushing half (#2) into each end of the QA1 spring shackle (#1).
- B. Lightly grease the metal sleeve using marine grease (#3) before inserting it through the bushings.
- C. Thread the included grease fitting (#5) into the end of the bushing can with a 7mm socket. Tighten to 37 lb. in.
- D. 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.

### SHACKLE INSTALLATION-

- 7) Install the new rear leaf hanger in the correct position for the desired drop. **(Figure 11)** The rear upper-most hole of the new hanger bracket should be secured with the factory bolt that came out of this location and torqued to 37 lb. ft. The remaining three holes of the bracket should be secured using the included M10x1.5 bolts, 25mm long, with two washers and one nyloc nut per connection. Additional mounting holes can be used for a 4.5" and 5.5" drop. Torque each bracket connection to 53 lb. ft.

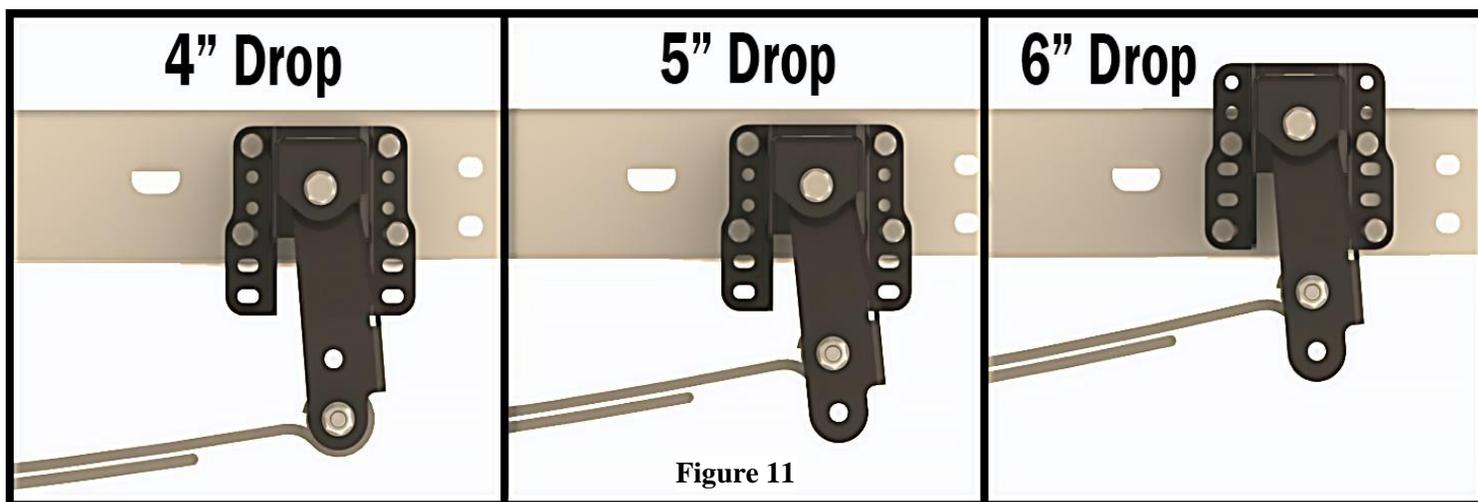
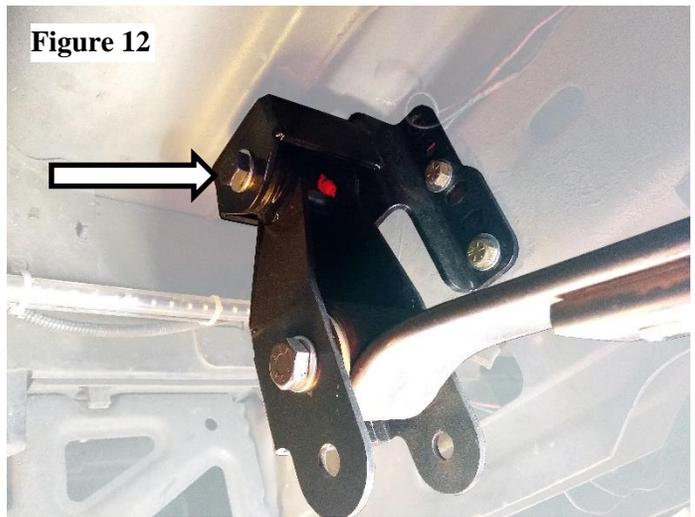


Figure 11

- 8) Mount the shackle to the frame mount, (narrow end up) using M14x2.0 bolts, 110mm long, with two washers and one nyloc nut per connection. **(Figure 12)**
- 9) Mount the leaf spring to the upper or lower hole of the shackle dependent on the desired drop. **(Figure 11)** Mount the leaf spring to the shackle using M14x2.0, 25mm long bolts, with two washers and one nyloc nut per connection. Torque both shackle bolts to 70 lb. ft.
- 10) Reinstall and bleed the brake lines, e-brake cables, and ABS sensors. The e-brake mounts can be adjusted so the cables do not make contact with the leaf springs.
- 11) Re-install the driveshaft and double check all work.
- 12) Remove the included metal sleeves in the shock bushings and install the included shock spacers into both ends of the shocks **(Figure 13)**. Each shock will use four spacers per shock before installing them into the factory mounts reusing the factory hardware. Torque to 85 lb. ft.



**Figure 12**



**Figure 13**

HARDWARE KIT, REAR DROP KIT, 4-6"		
07-18 SILVERADO		
DESCRIPTION	QTY/KIT	LOCATION
HEX HEAD BOLT, M14-2.0 X 110MM, CLASS 10.9 ZINC	4	SHACKLE BOLT
NYLOCK NUT, M14-2.0, 16MM HT, CLASS 10, ZINC	4	SHACKLE NUT
WASHER, M14, 28MM OD, ZINC	8	SHACKLE WASHER
HEX HEAD BOLT, M10-1.5 X 25MM, CLASS 10.9, ZINC	6	SHACKLE MOUNT BOLT
NYLOCK NUT, M10-1.5, CLASS 10, ZINC	6	SHACKLE MOUNT NUT
WASHER, M10, 20MM OD, ZINC	12	SHACKLE MOUNT WASHER
HEAD BOLT, M8-1.25 X 20MM, CLASS 8.8, ZINC	2	BRAKE TAB BOLT
HEX NUT, M8-1.25, CLASS 8, ZINC	2	BRAKE LINE NUT
WASHER, M8, 16MM OD, ZINC	2	BRAKE LINE WASHER
SPLIT LOCK WASHER STANDARD, M8, ZINC	2	BRAKE LINE LOCK WASHER

## 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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- Tuning and Repair Guides
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