



## INSTALLATION GUIDE

**Spring Kit, 21+ Bronco Rear,  
King / Ride**

SKU: AOR-2000-0047

**Spring Kit, 21+ Bronco Rear,  
King / Ride**

SKU: AOR-2000-0048



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install guide here:*

INST-1000-019

## A FEW WORDS ON PRODUCT SAFETY AND MESSAGING:

Motor vehicles and off road motor sports/use involve high levels of risks and variables including speed, terrain, overall suspension component choice, driver behavior and other variables outside AccuTune knowledge or influence. It follows that we are unable to foresee every combination of variables and these installation instructions do not reflect all product safety information which may be required to reduce risk of accident or injury related to your vehicle and selected modifications.

Before installation, please review the following safety information and installation instructions. Within these Instructions important safety information is generally preceded by one of three signal words indicating the relative risk of injury.


The signal words mean:

**⚠️ WARNING** A hazardous situation which, if not avoided, could result in death or serious injury. You **CAN** be Killed or Seriously Hurt if you don't follow instructions.

**⚠️ CAUTION** A hazardous situation which, if not avoided, could result in minor or moderate injury. You **CAN** be moderately HURT and also may suffer property damage if you don't follow instructions.

**NOTICE** Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your AccuTune product or other property may result if you don't follow instructions.

**⚠️ WARNING** Suspension Modified with Tuned Shock Components/Higher Risk of Roll-over or Other Accident

<b>⚠️ WARNING: HIGHER ROLLOVER RISK</b>		
	Avoid Excessive Speeds, Abrupt Maneuvers, Surfaces/Obstacles Which May Induce a Tripping Moment. All Occupants Buckle UP & USE Supplemental Restraints.	

The suspension of this vehicle has been optimized for off-road utility through installation of AccuTune products, which may increase ride height, modify damping/rebound and other suspension parameters. The suspension feel and handling may be different than an unmodified vehicle.

To reduce risk of roll-over or other accident always:

- Routinely inspect suspension components. **IF DAMAGED, DO NOT USE UNTIL REPAIRED OR REPLACED.**
- Do Not modify or substitute components of the AccuTune Offroad suspension products.
- Use of oversize tire/wheel combinations may increase stopping distances, ride height and/or compromise performance of vehicle stability control and other systems.
- Many states have restrictions on height and suspension modifications for highway use vehicles. Owners & drivers are exclusively responsible for construction and compliance of their vehicles.
- For additional safety messaging consult your OEM owners manual and off road supplements.

**⚠️ WARNING** (CA residents) Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Handling passenger or off-highway motor vehicle parts can expose you to chemicals such as phthalates and lead, which can cause cancer and reproductive harm. To minimize exposure, service the vehicle in a well-ventilated area, wear gloves, and wash your hands. For more information see: <https://www.p65warnings.ca.gov/fact-sheets/motor-vehicle-parts>.

Read and follow all instructions and understand all safety messaging before beginning Installation. This installation requires intermediate mechanical skills and should be performed by a professional mechanic with access to a lift and means of securing the vehicle.

## WARRANTY:

No Warranty. There is no warranty, express or implied, other than as expressly set forth or referred to herein and, in particular, neither Party makes any warranties to each other or any other person or entity, whether express, implied or statutory, as to the description, quality, merchantability, completeness or fitness for any purpose of any services, products or information provided hereunder or described herein, or as to any other matter all of which warranties are hereby excluded and specifically disclaimed.. **THE SAFETY, EFFECTIVENESS, AND PERFORMANCE OF THIS PRODUCT IS DIRECTLY RELATED TO THE MANNER IN WHICH IT IS INSTALLED, USED, AND/OR MAINTAINED. THE USER ASSUMES ALL RISK.**

# INSTRUCTIONS:

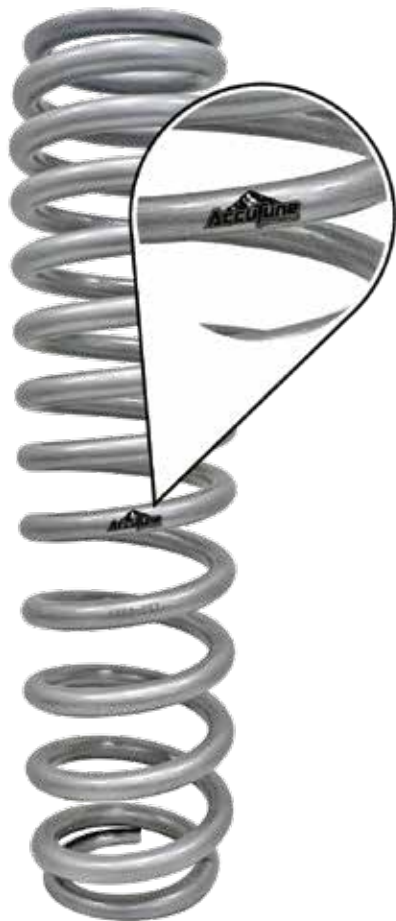
**PLEASE NOTE: WORK PERFORMED ON YOUR SHOCKS SHOULD BE DONE BY AN EXPERIENCED MECHANIC.**


1. In order to replace the spring, coilover shock must be removed from vehicle.
2. **⚠️WARNING** Using a spring compressor rated for at least 1200LBS, relieve the load on the preload ring by compressing the spring until the spring perch is free to remove.
3. Remove the spring perch and then remove the shock from the spring.
4. Relieve tension on the original spring so that it can be removed.
5. Using a spanner wrench, set the preload to match the target for your application, according to the charts below.
6. Insert new spring into spring compressor and apply enough tension to allow the shock to be inserted and have the spring perch fit in place.

**NOTE: Springs are orientation specific, so reference the image below for assistance.**

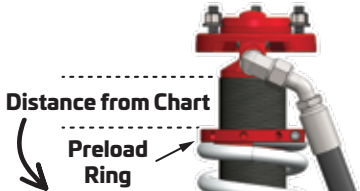
7. Relieve tension on the spring compressor once again and remove the shock.

**NOTE: ⚠️WARNING** Multi-rate springs are unique in that some of the coils will go into coil bind by design, as the spring compresses. It is important to observe the maximum preload for your application from the charts below. Having too much preload will result in complete coil bind and will cause damage to suspension components.





**MIN/MAX/TARGET SHOCK MEASUREMENTS**  
For 2 OR 4 Door Broncos with  
SKU: 525414689




**AOR-2000-0047**  
For Stock Weight Broncos

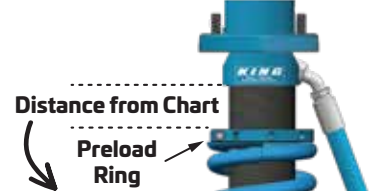
MIN	MAX	TARGET
0.00"	1.56"	0.625"

**AOR-2000-0048**  
For +350 LBS Added Weight Broncos

MIN	MAX	TARGET
0.00"	1.90"	0.75"



**MIN/MAX/TARGET SHOCK MEASUREMENTS**  
For 2 OR 4 Door Broncos with  
SKU: KRS-25001-393(A)



**AOR-2000-0047**  
For Stock Weight Broncos

MIN	MAX	TARGET
0.00"	1.38"	0.125"

**AOR-2000-0048**  
For +450 LBS Added Weight Broncos

MIN	MAX	TARGET
0.00"	1.70"	0.625"

**NOTE: If you have more than the max thread distance showing at your desired ride height, you may require a heavier rate spring.**

For reference:  
AOR-2000-0047: Add 1" of preload for every 376LBS of added weight.  
AOR-2000-0048: Add 1" of preload for every 440LBS of added weight.