



## Installation Instructions

Jeep JLU Short Arm Suspension Kits  
AOR-3000-0071 Thru -0078

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the product and click on Specifications.

### 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.

### Notice

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! AccuTune Off-Road reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

### Tools Required

Proper Safety Equipment

Basic Hand Tools (Wrenches, Sockets, Ratchets, Etc)

Torque Wrench

Jack & Jack Stands

Coil Spring Compressor - Optional

### Parts List – Stage 1 (No Shocks) - AOR-3000-0071

P/N	Description	QTY
AOR-2000-0000	Comfort Ride Coil Springs, JLUR, Front, 3", Std	1
AOR-2000-0001	Comfort Ride Coil Springs, JLUR, Rear, 1.5", Std	1
AOR-2000-0006	Kit: Bump Stop Spacer, Jeep Wrangler 07+, Front 2.5"	1
AOR-2000-0016	Kit: Bump Stop Spacer, Jeep JK/JL, Rear, 2.5"	1
AOR-2000-0017	Sway Bar End Link Kit, Jeep JL, Front, 2.5-3.5 Lift, Gen 2, TRE Style, 8.13" – 9.25"	1
AOR-2000-0018	Sway Bar End Link Kit, Jeep JL, Rear, 2.5-3.5 Lift, Gen 2, TRE Style, 10.13" – 11.25"	1

### Stage 2 (In Addition to Stage 1) – AOR-3000-0072

P/N	Description	QTY
AOR-2000-0003	AccuTune Offroad Adjustable Front Lower Control Arms	1

### Stage 3 (In Addition to Stage 2) – AOR-3000-0073

P/N	Description	QTY
AOR-2000-0012	AccuTune Off-Road Track Bar, Jeep JL, Front	1

### Stage 4 (In Addition to Stage 3) – AOR-3000-0074

P/N	Description	QTY
AOR-2000-0013	AccuTune Off-Road Track Bar, Jeep JL, Rear	1
AOR-2000-CCA	AccuTune Complete JL Adjustable Control Arm Set	1

## Other Modifications or Parts Required & Not Included

See last page for all requirements of the base kits. **\*Product images below may not be current**

### Prepare the Vehicle

Jack the vehicle up and securely set the chassis and axles on jack stands. Remove wheels and tires.

### Front Installation

1. Disassemble front OEM components in this order:
  - Brake line bracket from lower control arm
  - Sway bar end links
  - Unclip e-locker wiring (if equipped)
  - Unclip speed sensor wire from frame bracket
  - Loosen diff breather hose from frame bracket
  - Front shocks
  - Coil springs

#### Stage 2 & Up:

Complete these operations separately for each arm:

2. Remove front lower control arm
3. Set new lower control arm to recommended length (see last page), and orient zerk fittings up.
4. Install new control arm with brake line stud on axle side facing out. Torque jam nuts and bolts to OEM spec (see last page)

#### Stage 3 & Up

5. Remove front track bar
6. Set new track bar to recommended length (see last page)
7. Install new track bar with bushing on the frame end. Torque jam nuts & bolts to OEM spec (see last page)

#### Stage 4:

Complete these operations separately for each arm:

8. Remove heat shield and front upper control arms.
9. Set new upper control arms to recommended length (see last page), and orient zerk fittings up.
10. Install new control arms & heat shield, torque jam nuts and bolts to OEM spec (see last page)

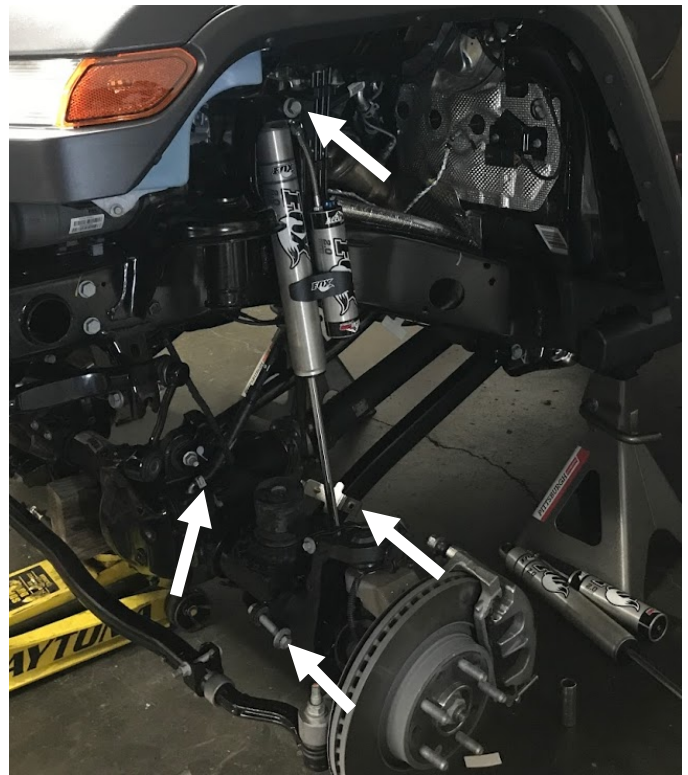


Fig 1: Components to remove & reinstall for all stages of lift.



Fig 2: Speed sensor and diff breather bracket

### Complete Front Installation – All Stages

11. Install coil springs and bump stop spacers at the same time. Make sure the oem upper and lower isolators are correctly installed. Align the coil spring with the notch in the lower isolator. Torque the bump stop spacer to spec (last page).

12. Install shocks & torque to specs on last page. Install sway bar end links at length and torque spec listed on the last page. Note that some Rubicon Models require the sway bar hole to be drilled larger. We typically use a 31/64 Drill Bit and Rotary Rasp in the drill to open it up large enough. **When installing the spacers, the wider spacer goes on the inside.**

13. Install the brake line brackets on the front lower control arms and bend the brackets as necessary to allow plenty of slack during suspension movement.

14. Reconnect e-locker wiring (if equipped) and axle vent hose, being sure to re-reroute as necessary to allow plenty of slack during suspension movement.

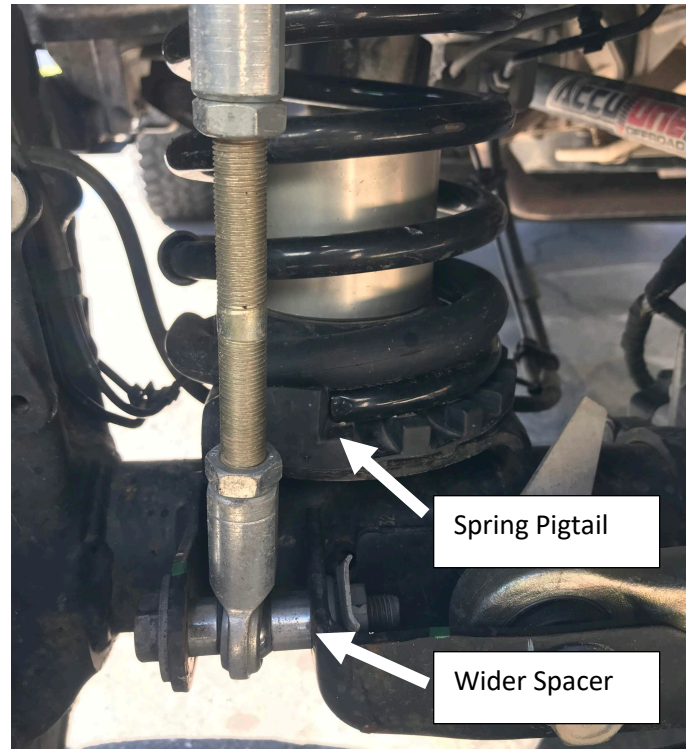


Fig 3. Front lower coil spring alignment, and sway bar link spacers.



Fig 4. Bent lower brake line bracket



## Rear Installation

15. Disassemble rear OEM components, in this order for convenience:

- Sway bar end links
- Unclip e-locker wiring (if equipped)
- Loosen diff breather hose from frame
- Rear shocks
- Coil springs

### Stage 4:

Complete these operations separately for each rear lower control arm, upper control arm, and track bar:

16. Remove one arm, set new arm to length specified on last page, install new arm. Torque bolts to specs on last page.

### Complete Rear Installation – All Stages

17. Install the following rear components and torque to specs listed on the last page (as appropriate), follow the order below for convenience:

- Coil springs
- Shocks
- Bump Stop Spacer
- Sway Bar End Links

18. With the axle at full droop (shocks fully extended) reinstall e-locker wiring and axle diff breather. Unclip and re-route wires as necessary to ensure sufficient slack during suspension movement (usually only the upper two clips need to be removed).

## Finish Installation

19. Install wheels and tires, torque to OEM spec. Remove vehicle from jack stands and drive a short distance to settle the suspension.

20. Check and adjust alignment to specs on the last page (alignment to be performed by a professional):

- Caster (all Stages)
- Steering wheel straight (all Stages)
- Front axle centered at coil bucket (Stage 3 & Up)
- Rear axle centered at tire bulge (Stage 4)
- Rear pinion angle for use with aftermarket driveshafts

21. After 500 Miles lubricate all link bushings using a Moly grease.



Fig 5. Clips to remove on e-locker wiring



**Torque Specs:**

Joint	Wrench Size (Bolt/Nut)	Torque
Front LCA to Axle	21mm/24mm	190 ft-lb
Front LCA to Frame	21mm/24mm	190 ft-lb
Front UCA to Axle	18mm/18mm	80 ft-lb
Front UCA to Frame	18mm/21mm	80 ft-lb
Front Track Bar to Axle	21mm/21mm	110 ft-lb
Front Track Bar to Frame	21mm/21mm	110 ft-lb
Front Brake Hose To LCA	15mm	15 ft-lb
Front Sway Bar Link To Axle	5/8"/3/4"	60 ft-lb
Front Sway Bar Link To Frame	5/8"/3/4"	60 ft-lb
Front UCA Heat Shield	10mm	40 in-lb
Front Bump Stop	9/16"	20 ft-lb
Front Shock To Frame	18mm	80 ft-lb
Front Shock To Axle	18mm	75 ft-lb
Rear LCA to Axle	21mm/21mm	90 ft-lb
Rear LCA to Frame	21mm/21mm	90 ft-lb
Rear UCA to Axle	21mm/21mm	95 ft-lb
Rear UCA to Frame	21mm/21mm	120 ft-lb
Rear Track Bar to Axle	21mm/21mm	90 ft-lb
Rear Track Bar to Frame	21mm/21mm	90 ft-lb
Rear Sway Bar Link To Axle	5/8"/3/4"	60 ft-lb
Rear Sway Bar Link To Frame	5/8"/3/4"	60 ft-lb
Rear Bump Stop	9/16"	20 ft-lb
Rear Shock To Frame	18mm	80 ft-lb
Rear Shock To Axle	18mm	75 ft-lb

**Alignment Specs:**

Spec	Front Left	Front Right
Caster	4.80 +/- 1.0 Deg	4.80 +/- 1.0 Deg
Toe-In	0.0 - 0.12	0.0 - 0.12

**Installation Requirements:**

Note: Some shocks may have their own requirements, consult your shock package for more details.

Jeep JL Fitment Table

Model	Tire	Wheel	Front Bump Stop	Rear Bump Stop	Front SB End Link E/E	Rear SB End Link E/E	Front LCA Length	Front UCA Length	Front Track Bar Length	Rear LCA Length	Rear UCA Length	Rear Track Bar Length
JLUR	37/12.5R17	17 x 8 W/ 4.5" BS	2.5"	2.0"	8.50"	11.25"	24.125"	20.188"	34.125"	19.75"	17.43"	37.875"
JLUR	35/12.5R17	17 x 8 W/ 4.5" BS	1.0"	1.0"	8.50"	11.25"	24.125"	20.188"	34.125"	19.75"	17.43"	37.875"
JLU	35/12.5R17	7 x 8.5 W/ 4.75" B	3.0"	2.0"	8.50"	11.25"	24.125"	20.188"	34.125"	19.75"	17.43"	37.875"