



EVO Manufacturing

Jeep Wrangler JK/JL/JT Gladiator

JK/JL/JT Plush Ride Springs

EVO- 3021,3022,3023,3024,3052,3053,3068,3069,3076,3077,3078,3079,1074,1401,1402,1061,1062





Before starting installation procedure please read <http://evomfg.com>Returns-Warranties-Shipping>

CAREFULLY READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL AND KEEP FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS ABOUT THE PRODUCT CALL EVO MANUFACTURING. FAILURE TO FOLLOW GUIDELINES COULD RESULT IN MALFUNCTION OF PARTS OR INJURY. PLEASE HAVE A TRAINED PROFESSIONAL ASSIST WITH OR INSTALL ALL PRODUCTS. INSTALLING EVO MFG PRODUCTS OR KITS DEMANDS SPECIFIC KNOWLEDGE, TOOLS AND EXPERIENCE. GENERAL KNOWLEDGE OF HOW TO USE LATER SPECIFIED TOOLS AND/OR LIMITED EXPERIENCE WITH EVO MFG PRODUCTS MAY NOT BE ENOUGH TO PROPERLY COMPLETE THESE TASKS. SOME OF EVO MFG PRODUCTS MAY REQUIRE TWO OR MORE PEOPLE TO INSTALL SAFELY AND CORRECTLY. DO NOT ATTEMPT ALONE, ALWAYS ENLIST THE HELP OF TRAINED PROFESSIONAL WHEN NEEDED.

Notes: Set Up Before installation

All coils have a specific placement (front, back and left, right) on the vehicle, be sure to install in correct locations. Reference table below.

This is a general instruction for this component kit.

Directions/pictures may vary for each specific install, use for reference only.

Keep all mounting bolts loose (installed but not torqued) we will torque later at the end of complete installation

READ BEFORE INSTALL:

It is generally a good idea to apply Loctite to all threaded bolts.

ALWAYS wear safety glasses and other approved safety gear when working on a vehicle.

All supplied bolts torqued according to chart at end of instruction.

It is recommended all installation be performed by a trained professional. Some modification may have to be done.

Paint all unfinished surfaces after install is complete.



Parts included: Table below shows JK/JL/JT Spring component kit.

Plush Ride Springs (pair)	#	Kit Part #	Driver / Passenger part #	Quantity
JL Front 2.5"	1	EVO-3021	600117 / 600118	1/1
JL Rear 2.5"	2	EVO-3022	600119, 600120	1/1
JL Front 3.5"	3	EVO-3023	600113, 600114	1/1
JL Rear 3.5"	4	EVO-3024	600115, 600116	1/1
JL Front 4.5"	5	EVO-3052	60142, 60143	1/1
JL Rear 4.5"	6	EVO-3053	60144, 60145	1/1
JT Front 2.5"	7	EVO-3068	600160, 600161	1/1
JT Rear 2.5"	8	EVO-3069	600162, 600163	1/1
JT Front 4.5"	9	EVO-3076	600164, 600165	1/1
JT Rear 4.5"	10	EVO-3077	600166, 600167	1/1
JT Front 6.5"	11	EVO-3078	600150, 600151	1/1
JT Rear 6.5"	12	EVO-3079	600152, 600153	1/1
JK Front 3"	13	EVO-1401	600075 (not side specific)	2
JK Rear 3"	14	EVO-1402	600076 (not side specific)	2
JK Front 4"	15	EVO-1061	600037 (not side specific)	2
JK Rear 4"	16	EVO-1062	600038 (not side specific)	2





Recommended Tools:

- Standard socket set w/ wrench
 - OR Standard wrench set
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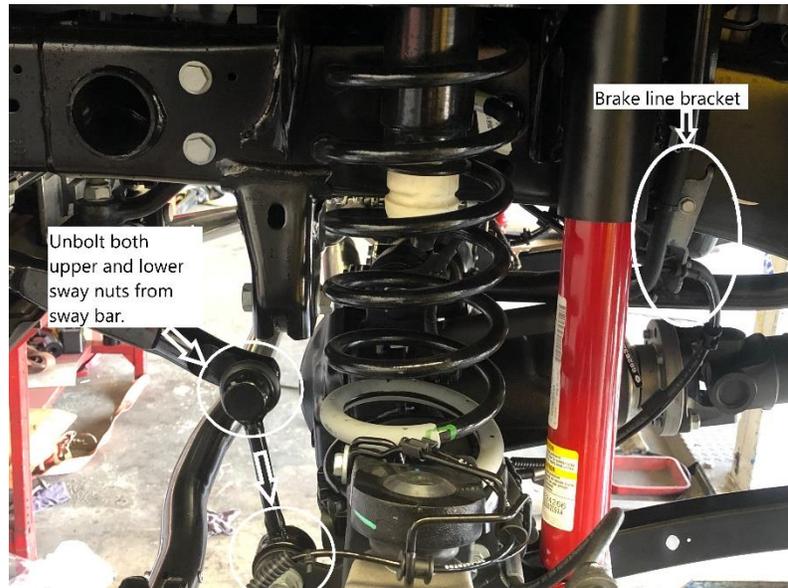
Safety Steps for installation

- For installing EVO MFG products always use wheel chokes to block rear tires from rolling.
 - Always make sure you have everything necessary ready before install.
 - If you have to, carefully lift front of vehicle by front frame rails extending suspension until tires leave the ground, place frame on approved jack stands for vehicle. Verify all lines/wires are not over extended.
 - Remove tires if needed for easier install.
 - Make sure to wear safety equipment (eye protection, hand protection, foot protection etc.) at all times during installation.
 - Make sure all safety precautions have been taken.
 - Always check and replace any part of vehicle that is worn or broken before starting install.
 - Do not mix anything EVO with weaker alternatives.
 - It is generally a good idea to apply liquid threadlock to all bolts.
 - Tighten included hardware to torque specifications in bottom table unless it is otherwise specified, factory bolts should be torqued to factory Jeep specifications.
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1. Remove bolt from driver and passenger side brake line bracket at frame just behind front coils.
2. Remove both driver and passenger side swaybar links bolts at axle and swaybar removing swaybar links and rotate sway up and out of the way. Factory front links will not be reused.

There is a 6mm allen key inside both driver and passenger side upper sway bar studs. Use allen head to allow nut to unscrew.



JL/JT ONLY:

1. Disconnect push-in clip from front upper control arm mounts at axle holding wire. Un clip all other wires/hoses that are connected to axle.

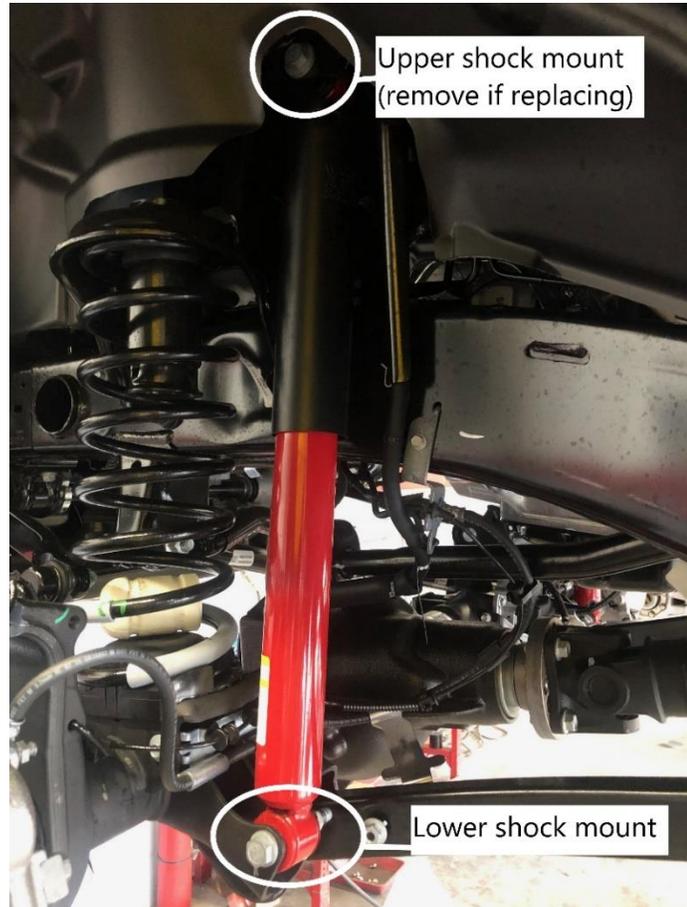
Vehicle wiring and hoses vary, make sure all wires, hoses, lines etc. from frame to axle are freed up giving ample length to move axle downward as needed before proceeding, verify wiring/hoses etc. do not get stretched while lowering axle in next steps.



Support driver side axle with jack stand

2. IF you are **replacing shocks** and not using shock extensions remove upper bolt. Otherwise leave shock mounted at upper.
3. Lightly jack the front driver side axle tube slightly. With axle slightly supported remove front lower shock bolt from axle.
4. Repeat on passenger side.

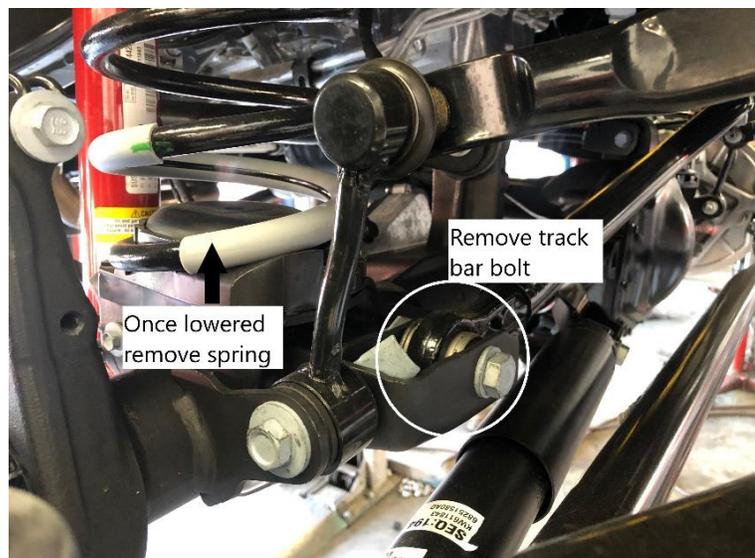
Varying axle jack tension to the right amount will alleviate load on the bolt and allow it to freely slide out.



5. Remove trackbar bolt at axle.

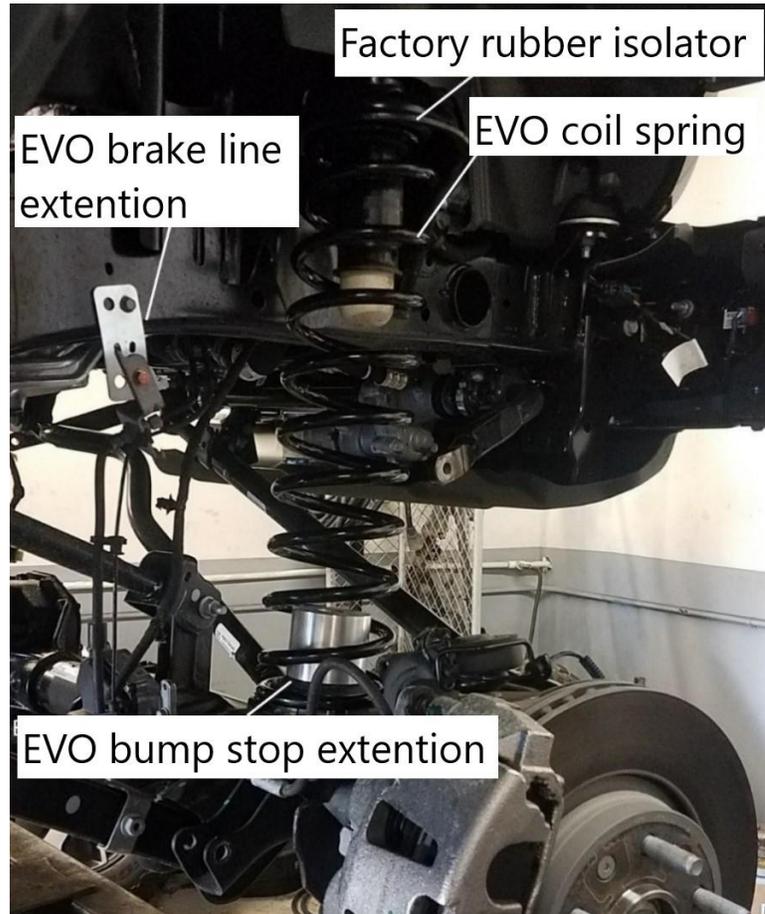
This will allow the axle to move side to side so be cautious about this from here on.

6. Lower jack under axle giving room and remove front spring.
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7. Install coil spring with rubber isolator on top of coil into its original location on both the frame and axle.

Replace all bolts or clips that were removed in the process.



After Install:

- Tighten all bolts securing purchased parts to specified locations.
- After completing installation using provided instructions, go through all steps again to make sure nothing was missed, not tightened or improperly assembled.
- Some components may need to be purchased separately.
- Check turn signals, headlights, fog lights (if applicable), taillights, blinkers and windshield wipers.
- Adjust mirrors, speedometer and headlights if needed.
- Make sure all gauges are fully operational.
- Drive the vehicle slowly for a couple minutes, looking and listening for abnormal noises while driving. After modification of a vehicle there will be differences in driving experiences and capabilities, be mindful of that.
- Inspect and Retorque all Bolts after 500 miles of completed installation and regularly thereafter.
- Some modification may be required.



Recommended Torque:

Size	Grade 2		Grade 5		Grade 8		18-8 S/S	
	Coarse	Fine	Coarse	Fine	Coarse	Fine	Coarse	Fine
#4*	-	-	-	-	-	-	5.2	-
#6*	-	-	-	-	-	-	9.6	-
#8*	-	-	-	-	-	-	19.8	-
#10*	-	-	-	-	-	-	22.8	31.7
1/4	4	4.7	6.3	7.3	9	10	6.3	7.8
5/16	8	9	13	14	18	20	11	11.8
3/8	15	17	23	26	33	37	20	22
7/16	24	27	37	41	52	58	31	33
1/2	37	41	57	64	80	90	43	45
9/16	53	59	82	91	115	129	57	63
5/8	73	83	112	128	159	180	93	104
3/4	125	138	200	223	282	315	128	124
7/8	129	144	322	355	454	501	194	193
1†	188	210	483	541	682	764	287	289