



INSTALLATION INSTRUCTIONS

PART#:

SMX-RM619

•2019 RAM 1500 w/ Front Coils

Thank you for choosing SuspensionMaxx for your vehicle. This kit is designed to add suspension travel and increase front and ground clearance. Specially designed tools and experience are required to complete the installation properly. These parts should only be installed by a qualified mechanic otherwise an unsafe vehicle and/or injury may result. Consult manufactures service manual for proper torque specifications and procedures. Instructions are supplied for the leveling kit installation only. Safety is important. Use safe working habits.

WARNING!

This suspension system will enhance off road performance and increase ground clearance. Larger tires will increase vehicle roll center height. The vehicle will handle and respond to driver steering and braking differently from a stock factory equipped passenger car or truck. Extreme care must be used to prevent loss of control or vehicle rollover during abrupt maneuvers both on and off-road. Failure to operate this vehicle safely can result in vehicle damage, serious injury or death to the driver and passengers. Always wear your seat belt and reduce your speed, avoid sharp turns, inclines and abrupt maneuvers. Tread lightly, respect nature and enjoy the Off-Road Experience! Help keep it available for future generations.

Thank You!
SuspensionMAXX Inc.



INSTRUCTIONS

SuspensionMAXX kits are designed to be easily installed and completely reversible to the factory supplied settings. These instructions are supplied for ease of installation, correct procedures and safety. Automotive experience recommended.

RECOMMENDED TOOLS

1. Load rated floor jack, 2 safety stands, and wheel chocks
2. Metric tool socket set
3. Medium size pry bar, brass drift bar, hammer, hack saw, and file
4. Torque wrench rated for 175 ft./lbs.
5. Mopar approved ball joint separator tool #9360
6. Load rated strut spring compressor BR7200 recommended



Again, Thank you for your purchase! Enjoy your SuspensionMAXX leveling system!

Questions? E-mail us at tech@suspensionmaxx.com or call 1.888.629.9226

PRELIMINARY STEPS

1. Park vehicle on level surface.
2. Block rear wheels.
3. Using load-rated floor jack and stands, raise and safely support vehicle under certified frame lift points and remove front wheels.

SECTION 1 - Removal of Strut

1. Temporarily unlock ABS wire retainers to provide extended travel of suspension
NOTICE: DO NOT open or bleed hydraulic brake fluid system
2. Unbolt brake line bracket from upper strut tower. **FIG 1-1**
3. Remove lower strut mounting through bolt.
4. Disconnect sway bar link.



FIG. 1-1

NOTICE: DO NOT spin studs with air wrench. Damage to link may occur!

5. Support lower control arm at outer end with floor jack.
6. Remove outer tie rod nuts (21mm) at steering knuckle separate outer tie rod.

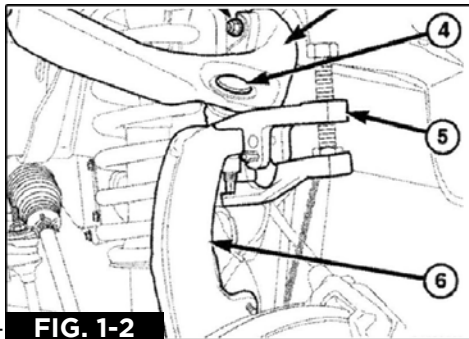


FIG. 1-2

7. **NOTICE: Wheel hub and knuckle assembly must be supported before separating upper ball joint! Failure to support assembly can result in ABS cable, brake hose, drive axle boot and or CV joint damage.**

Remove upper ball joint nut, separate upper ball joint from knuckle using separator tool 9306 **FIG 1-2**
CAUTION: Do Not Damage joint seals.



FIG. 1-3

8. Remove the three upper strut mounting nuts **FIG 1-3**
CAUTION: DO NOT remove center strut bolt.
9. Remove the bolt and nut connecting the strut to the lower control arm.
10. Carefully lower the lower control arm to allow strut removal. Use **CAUTION** when removing upper strut mounting nuts. **STRUT MAY FALL AND DAMAGE STEERING AND/OR CV AXLE BOOTS IF NOT SUPPORTED.** Gently lower strut assembly and guide it up and out between upper control arm.
11. Mark alignment of strut top and lower mount for future reference (Strut top has offset stud placement.)

SECTION 2 - Installation

1. Install Aluminum MAXXStak Advanced Leveling Kit spacer over factory mounting studs. Tighten the 3 mounting nuts to 25 ft/lbs. Add black shim spacer rings on top of the aluminum MAXXStak spacer for additional lift. If adding shim spacers always place the 6 hole shim first directly on top of the aluminum spacer. See **FIG 2-1**

LEVELING LIFT OPTIONS

INCLUDED PARTS	LIFT INCHES	PARTS NEEDED
MAXXSTACK	2.0"	MAXXSTACK
SHIM (6 HOLE, 3 HOLE)	2.25"	MAXXSTACK, 6 HOLE SHIM
	2.5"	MAXXSTACK, 6 HOLE SHIM, 3 HOLE SHIM

FIG. 2-1 ALWAYS INSTALL 6 HOLE SHIM BEFORE 3 HOLE SHIM

2. Reinstall strut in vehicle aligning 3 studs with top frame mount. Start top nuts.
3. Reinstall lower strut through bolt **NUT FORWARD**. Torque to 155 ft/lbs when vehicle is on ground.
4. Tighten 3 upper strut nuts to 35 ft lbs.
5. Re-attach ABS signal wire.
6. Reconnect brake line bracket. The 90° bend under the upper control arm may need to be carefully pushed down about a 1/4" for additional clearance. See **FIG 2-2**
7. Reconnect upper ball joint, tie rod, sway bar and links. Torque attaching fasteners.
8. Reinstall front wheels, torque to factory spec.
9. Perform front wheel alignment to maximize tire life and performance.

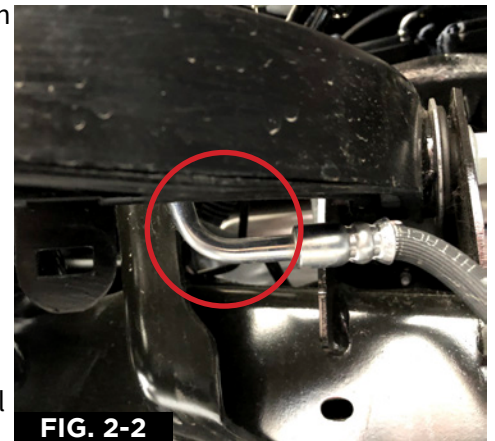


FIG. 2-2

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