

#SMX-10185X INSTALLATION INSTRUCTIONS

Includes SMX10185 Spacer Kit
& SMX10185A (Accessory Kit)

SUSPENSION
MAXX
ADVANCED LEVELING SYSTEMS



For 2004-UP Chevrolet Colorado & GMC Canyon
2WD models w/ coil spring front suspension

MAXXSTAK CC
CUSTOMIZABLE CAST ALUMINUM KIT

INSTALL TIME: 2 HOURS



HD Shims

This kit is designed to provide up to 2.5" of lift on front coil spring/strut equipped Canyon & Colorado trucks without compromising the factory ride. It enhances the overall stance and allows for the installation of larger tires. The SMX-10185 consists of two cast aluminum MAXXStak spacers and four HD shims. The spacer alone provides 2" of lift; when used in combination with the shims, will provide up to 2.5" of lift.

Recommended accessories for trucks with our Full SMX-10185 kit installed

SMX-10185A includes recommended accessories; the MAXX Bump Stop Extensions and the Upper A Arm Spacers (Reduces angle to the upper ball joint boot when the suspension is in the upper range of travel).



Relocation Spacer Kit



Bump Stop Extender Kit

Tools required for installation

1. Load rated floor jack
2. Two jack stands
3. Wheel chocks
4. Metric socket set, breaker bar, ratchet, and extensions
5. Medium size pry bar
6. Brass drift
7. Hammer
8. Hack saw / file dremel tool / die grinder / angle grinder
9. Torque wrench

Installation Procedure

1. Place truck on a solid level surface, apply the parking brake, & block the rear wheels.
2. Loosen the wheel nuts 1-2 turns.
3. Lift the front of the truck and place jack stands under the frame.
4. Remove the front wheels.
5. Unbolt the sway bar from the frame for more room. (Fig 1.5)
6. Support the lower control arm with the floor jack. (Fig 1.6)
Optional: unplug the ABS sensor and unclip it from the upper A arm. Remove the four bolts/nuts holding the upper ball joint to the steering knuckle and allow the steering knuckle to relax
7. Remove the lower strut mounting bolt and nut. (Fig 1.7 on Next Page)
8. Support caliper for duration of install. **DO NOT APPLY BRAKES** (Fig 1.8 on Next Page)
9. Remove the four bolts/nuts holding the upper ball joint to the A arm and allow steering knuckle to relax. (Fig 1.9 on Next Page)



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

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Installation Procedure Continued...

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10. Remove the lower strut mounting bolt and nut.

Caution: Do not allow the strut to fall. Damage to equipment or personal injury may result. Loosen and remove the three upper strut mounting nuts while supporting the strut (Fig 2.10A & Fig 2.10B)

11. Gently lower the strut and guide it out from under the truck.

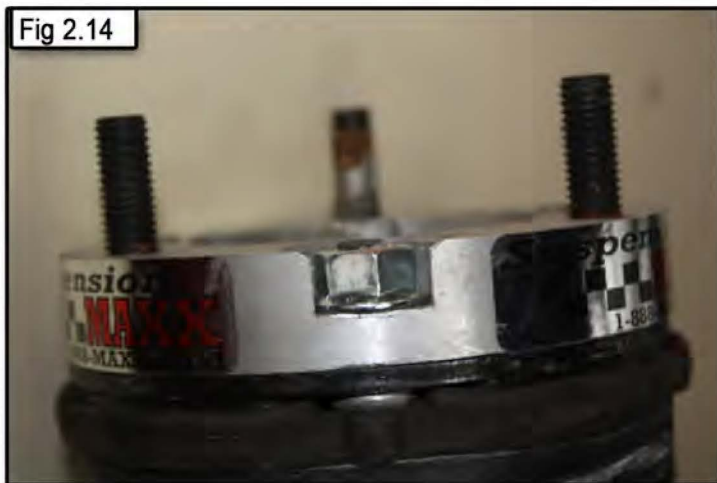
12. Mark alignment of strut top and lower mount for future reference.

13. Choose lift amount by adding the shims to the spacer as needed.

MAXX Stak = 2.0", + one shim = 2.25", + 2 shims = 2.5" (Fig 2.13)

Note: The third shim supplied in the kit is only be to used if the truck is not sitting level on the left and right sides. One or two shims can be added to either side if needed.

14. Align the holes in the MAXX Stak with the three mounting studs and place it on top of the strut. Install and tighten the supplied nuts. Check to see if the studs protrude above the top of the spacer. If so, trim as needed. **Studs must be flush with top of spacer.** Finally, align the holes of the first and/or second shim with the studs in the spacer and set it on top of the spacer. (Fig 2.14)



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Installation Procedure Continued...

15. Required for ALL lift amounts. On the bottom spring seat is an alignment 'nub' sticking out. Carefully grind off the nub so as not to touch the spring. Reinstall the strut in the truck by rotating it 180 degrees and aligning the three studs on the spacer with the holes in the upper frame mount. With a bit of patience the strut will clear the bump stop. (Fig 3.15)

16. **Required for 2.25 and 2.50 inch lift amount:** Grind a 'V' or 'U' notch in the bump stop bracket big enough for the strut to clear. Reinstall the strut in the truck by rotating it 180 degrees and aligning the 3 studs on the spacer with the holes in the upper frame mount. (Fig 3.16)

INSTALL BUMP STOP AND EXTENDER

NOTE NOTCH DIRECTION. Torque bolts to 32 ft/lbs (Fig 3.16B)

17. Align the bottom of the strut with the lower A arm. Install the mounting bolt/nut and torque to specs. (Fig 3.17)

Note: Lower thru-hole must align with mount.

18. Install the supplied nuts on the upper strut studs and torque to specs.

19. If removed earlier, reinstall the steering knuckle and upper ball joint to the upper A arm with the factory hardware and torque to specs.

20. For use with SMX-10185A Accessory Kit: Install Upper BJ Re-Location Spacer between A Arm and Ball Joint. **Note: Mounting surface must be free of dirt and/or corrosion. Insert bolts, washers & lock nuts. Bolt direction should be NUTS DOWN for clearance. Torque evenly to 29 ft/lbs. (Fig 3.20)**

21. Follow the above listed steps to add the spacer/shims to the opposite side strut.

22. Reattach the sway bar to the frame and torque to specs.

23. Re-install calipers to brake support mount. Check brake hose routing, keeping free of twists / kinks. Re-attach ABS wire to clips.
CHECK BRAKE OPERATION

24. Reinstall the wheels and torque to specs.

25. Raise the front of the truck, remove the jack stands, and lower the truck.

26. Wheel alignment required for maximum tire performance

Enjoy the new stance of your truck!

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