



INSTALLATION INSTRUCTIONS

PART#: SMX-11192DKIT

FITS: Chevrolet/GMC

•2011 - 2020 2500HD/3500HD

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.



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

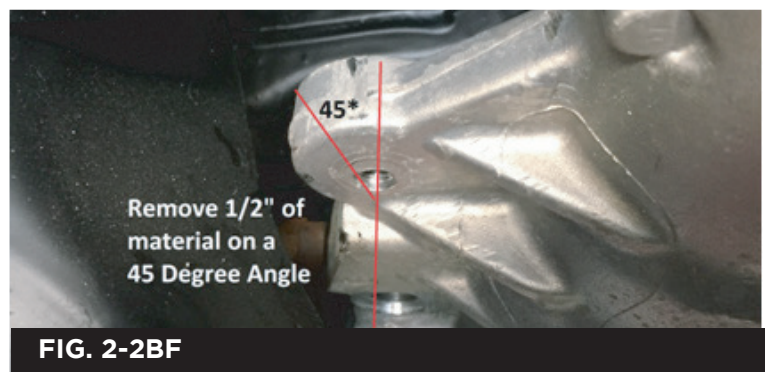
1. Park vehicle on level surface.
2. Block rear wheels.
3. Using load-rated floor jack and stands, raise and safely support vehicle under certified frame lift points and remove front wheels.

STEP 1 - DIFFERENTIAL LOWERING SPACERS

1. Remove skid plates to better access differential support mounting locations.
2. Lightly jack and support the differential during the following steps
3. Loosen the passenger side mounting bolts. Do not remove. This will aid in installation of spacers.
4. Remove driver side bolts and remove differential cross member cradle. **FIG. 2-1**
5. Differential case will require slight modification to clear frame at the lowered height.
6. Use Die grinder to remove excess material around mounts. **FIG. 2-2**



NOTE: 2020 and up model trucks do not require differential grinding modification.



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7. Align supplied spacers as shown in **FIG. 2-1**
8. Reinstall Mounts with supplied bolts. Note: reuse the rear mounting bolt. Be careful to install the longer of the 2 differential mounting bolts in the forward position.

FIG. 2-3

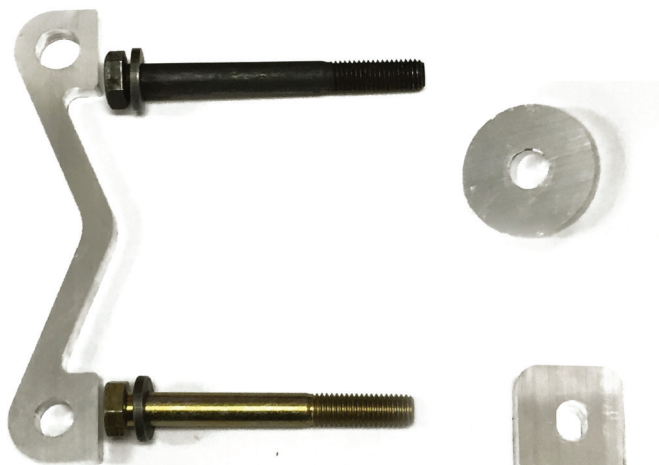


FIG. 2-3

9. 13. Install Passenger side differential spacer. Reuse stock hardware on Passenger side See **FIG. 2-4 & 2-5**
10. 14. Torque mounting nuts to 80Ft LBS.
11. 15. I nstall four 1" Diameter spacer on skid plate, reuse hardware. **FIG. 2-6**

FIG. 2-4

FIG. 2-4



FIG. 2-5

NOTE: Use 7/16" gold washers to lower skid plate mounting position. **FIG 2-6**



FIG. 2-6

STEP 2: Differential Cross-member Spacer

1. Support differential with suitable floor jack or stand.
2. Loosen four differential mounting bolts with 21mm socket. **DO NOT** remove at this time. Flex head ratchet is recommended for access to the top nut.
3. Remove one differential mounting bolt at a time.
4. Carefully lower the differential and install differential spacers one at a time.
5. Install new differential bolt with heavy duty washer. **DO NOT** tighten.
6. Repeat steps 3-5 on the remaining 3 differential bolts.
7. Tighten all four differential mounting bolts. Torque to **85ft/lbs**



FIG. 3-1





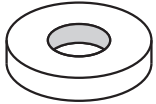
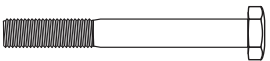


FIG. 3-2

NOTE: Tight clearance between differential and cross-member, centering of the differential may be required to keep proper clearance. Recentering or shifting of the differential may be required to maintain proper clearances.

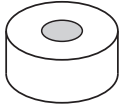
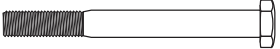
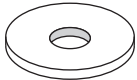
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DIFFERENTIAL HOUSING SPACER

B	"Bowtie" Differential Spacer		1PC
C	"M" Differential Spacer		1PC
D	"Round" Differential Spacer		1PC
E	Differential Spacer Extension Bolt		2PC
F	7/16 inch Differential Washer		2PC
G	Extra Heavy Skid Plate Spacer		4 PC

DIFFERENTIAL CROSS-MEMBER SPACER

L	Differential Spacer		4PC
M	14mm Differential Spacer Bolt		4PC
N	2 inch OD Differential Bolt Washer		4PC

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