McGAUGHYS SUSPENSION PARTS

2011-19 GM 2500 / 3500 Truck

PART #52355, #52356, #52358, #52359

7" LIFT KIT BLACK S/S

Packaging Inspection Check-Off Form

Name(s):_____

Date box was packaged, inspected, weighed & verified to insure all parts were inside & correct:_____

BOX 1

- ☐ **#13 - U-Bolts (4)** 16-1/4" x 3" 5/8" sq
- ☐ **#28 - Lift Spindles (2)**

BOX 2

- ☐ **#24 - Front Crossmember**
- ☐ **#17 - Rear Crossmember**
- ☐ **#5 - Skid Plate**
- ☐ **#18 - Sway Bar End Links (2)**
- ☐ **#1 - Compression Struts (2)**
- ☐ **#22 - Lower A-Arm Support Rods (2)**
- ☐ **#2 - Front Shocks (2)**
- ☐ **#3 - Rear Shocks (2)**

BOX 3

- ☐ **#4 - Torsion Bar Drop Brackets (2)**
- ☐ **#20 - Outer Front Bump Stop Brackets (2)**
- ☐ **#11 - Front-Front Bump Stop Brackets (2)**
- ☐ **#27 - Passenger Side Differential Drop Bracket**
- ☐ **#12 - Driver Side Differential Drop Bracket**
- ☐ **#21 - Compression Strut Brackets (2)**
- ☐ **#8 - Rear Bump Stop Brackets (2)**
- ☐ **#6 - Front-Rear Bump Stop Brackets (2)**
- ☐ **#7 - Lift Blocks (2)**
- ☐ **#19 - CV Axle Spacer (Driver Side)**
- ☐ **#23, 25 - Hardware Bags (2)**
- ☐ **#10 - Weld-In Filler Plate**
- ☐ **#15 - Brake Cable Bracket**
- ☐ **#16 - Rear Brake Line Drop Bracket**
- ☐ **#9 - Rear Compression Strut Retainers (2)**
- ☐ **#14 - Front Brake Line Drop Brackets (2)**
- ☐ **#26 - Upper Front Shock Mounts (2)**

McGAUGHYS
SUSPENSION PARTS

559-226-8196
4603 E. VINE AVE.
FRESNO, CA 93725
www.mcgaughys.com

READ THESE ENTIRE INSTRUCTIONS BEFORE STARTING ANYTHING

- If you are the installer only, and not the owner of the vehicle, please make sure the owner of the vehicle gets these instructions. They contain very important information about the lift kit, maintainace, and warranty.
- Before moving forward with installation, please layout all parts from boxes and ensure everything is present. If any parts are missing, please contact McGaughy's Suspension immediately at 559-226-8196.
- If you alter the finish of any of the provided components, like zinc plating, chroming, or powder-coating, which can cause damage to the strength and structure of the metal, any warranties will be null and void.
- If any components are ground on or modified in any way, then no returns or exchages will be accepted and any warranties will be null and void.
- NO welding is required to install any part of this lift kit. Do not weld any components.
- Over-sized tires and heavier wheels can cause premature wear on factory and aftermarket components like ball joints, bushings, tie-rod ends, wheel bearings, idler arms, drive-lines, etc.... You may need to replace / install new components sooner than factory recommendations based on the tires and wheels you choose. Please note that the heavier and wider wheels and tires combined with aggressive driving (off-road and on highways) will cause more wear on ALL moving parts, factory and aftermarket. Especially when vehicle is in 4wd or Auto-4wd / AWD modes.
- Spindles and u-bolts are shipped with protective coating on surface. This allows them to be delivered to you without rust. We recommend you clean and paint the parts before you install, to protect against any future rust. Remember, spindles and u-bolts are bare metal. And will rust without paint.

WARRANTY INFORMATION

-McGaughy's warrants all **McGaughy's** products against manufacturer's defects in materials or workmanship for a period of **ONE-YEAR** from the date of original purchase. All McGaughy's spindles carry a **LIFETIME** warranty against manufacturer's defects.

-Warranty will not extend to any product or part there in, that has been improperly installed, abused, or neglected.

-Any warranty will be void on lift kits or components that are installed along with another company's components. All McGaughy's parts are designed to work with factory components or other McGaughy's components only.

-McGaughy's will not warranty any product(s) that were modified in any way. Check fit all products prior to custom painting, powder-coating, or any form of fabrication (sanding, drilling, painting, chroming, etc).

-There are **NO WARRANTIES** neither espressed nor implied for powder-coating on any McGaughy's products.

-McGaughy's is not responsible for damages and/or warranty of other vehicle parts (factory or aftermarket) related or non-related to the install of McGaughy's component(s).

-Warranty is limited to the repair or replacement (of McGaughy's product only), at McGaughy's discretion. And only after inspection of the defective part, once returned to McGaughy's with proof of purchase, date of purchase, and all shipping costs prepaid.

-Any cost of labor, freight, incidental or consequential damages are expressly excluded from warranty.

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7" LIFT KIT BLACK S/S

2011-19 GM 2500 / 3500 TRUCK

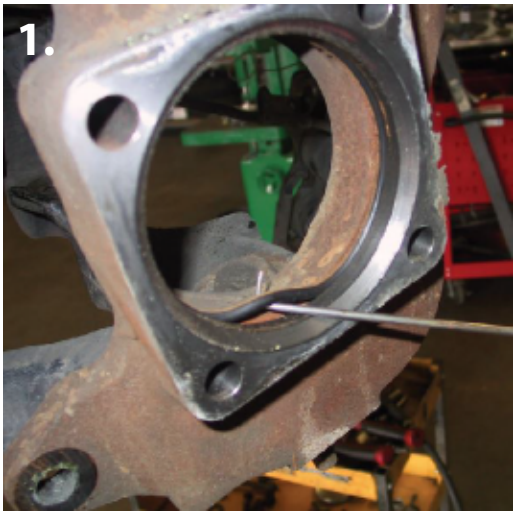


1. Compression Struts (2)
2. Front Shocks (2)
3. Rear Shocks (2)
4. Torsion Bar Drop Brackets (2)
5. Skid Plate
6. Front-Rear Bump Stop Brackets (2)
7. Rear Lift Blocks (2)
8. Rear Bump Stop Brackets (2)
9. Rear Comp. Strut Bracket Retainers (2)
10. Weld-In Filler Plate
11. Front-Front Bump Stop Brackets (2)
12. Driver Side Differential Drop Bracket
13. U-Bolts (4)
14. Front Brake Line Drop Brackets (2)
15. Brake Cable Bracket
16. Rear Brake Line Drop Bracket
17. Rear Crossmember
18. Front Sway Bar End Links (2)
19. Driver Side CV Axle Spacer
20. Outer Front Bump Stop Brackets (2)
21. Compression Strut Brackets (2)
22. Lower A-Arm Support Rods (2)
23. Front-Rear Bump Stop Bolts (2)
24. Front Crossmember
25. Hardware Bags (2)
26. Front Shock Upper Mounts (2)
27. Passenger Side Diff. Drop Bracket
28. Front Lift Spindles (2)

FRONT INSTALLATION

Always use the proper tools and consult the factory service manual for torque values and procedures. With the vehicle turned off and the parking brake set, secure the rear wheels/tires with wheel chocks. Use a jack and lift the front of the vehicle. Place jack stands under the frame on both side of the vehicle. Remove the front wheels.

1. Using the proper torsion bar tool, measure/mark the exposed threads on the torsion bar adjusting bolts. Then unload and remove the crossmember and bars. Keep all the hardware.
2. Remove the factory sway bar end links from the lower control arms and sway bar.
3. Remove and save the lower bump stops from the frame.
4. Un-install the outer tie rod ends from the spindle. Be careful not to damage the tie rod ends.



5. Remove the brake hose bracket from the top of the spindle and unplug the ABS from the frame and control arm. Take off the rotor, axle nut, and washer. Unbolt the hub by taking off the four hub bolts on the back side of the spindle. Remove the bearing hub assembly and "O" ring from the spindle. (pic 1)
6. Take off the upper and lower ball joint nuts and remove the ball joints from the spindle. Be careful not to damage the ball joints.
7. If vehicle is 4wd, uninstall the CV axles from the differential housing.
8. Remove the lower control arms from the vehicle.
9. Remove the front drive shaft from the differential. Disconnect the vacuum line and electrical connection from the differential.
10. Remove the differential housing assembly and rear crossmember. It may help to turn the steering wheel to the left or you may have to use a die-grinder or sawzall to cut the inside of the driver side lower control arm pocket. In order to cut, you will need to measure 4.25" from the inside edge and make a vertical cut line straight down. (pic 2)



11. Now that the pocket is cut off, use the weld-in filler plate provided. Weld it to the driver side. Once the welds are cool and the plate is clean, paint any bare metal so that nothing rusts.
12. Install the torsion bar drop brackets onto the factory torsion bar crossmember using the factory bolt and new provided 3/8" x 1-1/2" bolt on each side. Install the crossmember back into the factory mounts using the new provided 9/16" x 3-1/2" bolts/ Leave all the bolts loose until all the bolts are installed and crossmember is back in the frame.
13. Using the factory hardware, install the passenger side differential drop bracket. The smaller end of the bracket faces up.
14. Install the driver side differential drop bracket using the provided 12mm x 1-3/4" bolts to bolt in the top two bolts through the drop bracket to the frame. The factory frame hole on top uses the provided lazer cut thick washer. There are three factory holes over the new bracket, you are using the one furthest to the rear of the vehicle. Use the provided 1/2"-13 x 3-1/2" to bolt the rear of the drop bracket to the frame.



15. Re-install the factory differential housing to the new drop brackets. Use the provided 1/2"-13 x 1-1/2" bolts and lazer cut thick washers on the passenger side. Use one lazer cut thick washer per bolt. The bolts and washers go up through the differential with the nut installing on the top side against the new drop bracket. Use the provided hardware to bolt up the driver side to the drop brackets.
16. Install the new front and rear crossmembers, using the factory hardware. (pic 3)





17. Install the new front (furthest rear) bump stop brackets using the four provided 7/16" x 1-1/4" bolts (each bolt is welded to a tear drop shape piece of lazer cut metal). Slip the the bolts inside the open cavity, behind the bump stop. Use two on each side, on the factory holes in the frame. (pic 4)

18. The bump stop brackets are side specific. Driver side shown in pic 5. Use the provided 7/16" lock nuts and tighten to the inserted welded bolts. Make sure opposite side of the bracket is inserted into the factory bump stop cup. Install the factory foam bump stop onto the new drop down bracket (pic 5)

19. Install the factory lower control arms into the new front and rear crossmembers using the provided 18mm x 120mm bolts on the front crossmember and 18mm x 140mm bolts on the rear crossmember. Make sure you are installing the lower a-arm support rods at this time as well. Be sure to have the factory torsion bars installed on the lower control arms also. Leave bolts snug, do not tighten yet.





20. Install the provided compression struts into the rear crossmember tabs using the provided 1/2"-13 x 4-1/2" hardware. Next, install the rear compression strut brackets onto the compression struts (passenger side bracket has one ear angled and the driver side bracket has both ears angled) using the provided 1/2"-13 x 4-1/2" bolts. With the bracket connected to the compression strut, lift the bar up into place against the frame. Mark the two holes and drill. The ears of the brackets will angle towards the rear of the vehicle. Now use the provided plates (with the welded nuts) to bolt up both brackets onto the frame. (pic 6)

21. Now tighten all the front hardware for the crossmembers and compression struts. Leave the lower control arms loose until after the spindles are installed.

22. Install the new provided lift spindles into the upper and lower control arms. Be sure to use a torque wrench only. Do not use an impact. Install the factory dust shield onto the hub and slide the hub onto the spindle. Use the factory bolts to bolt the hub back onto the spindle.

23. Install Install the passenger side CV axle into the factory mount using the factory hardware. Be sure to use loctite on all the bolts. Next, install the driver side CV axle along with the provided CV axle spacer. Use the provided 10mm-1.5 x 60mm bolts. Be sure to loctite all the bolts. (pic 7)

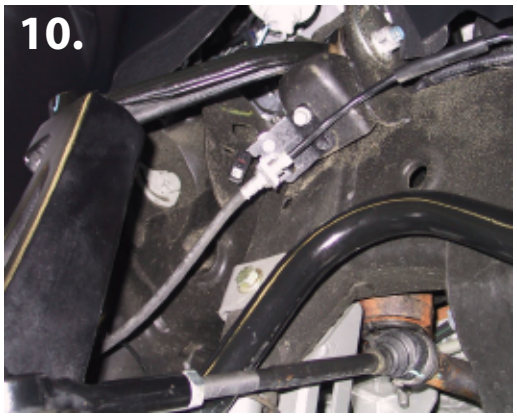
24. Install the factory tie rod ends into the lift spindles.

25. Install the factory torsion keys and torsion bars into the factory crossmember.

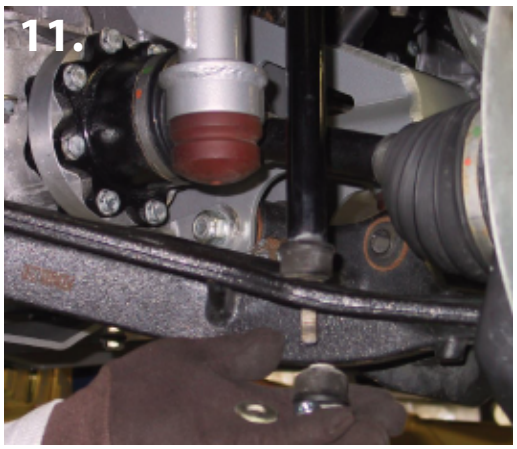




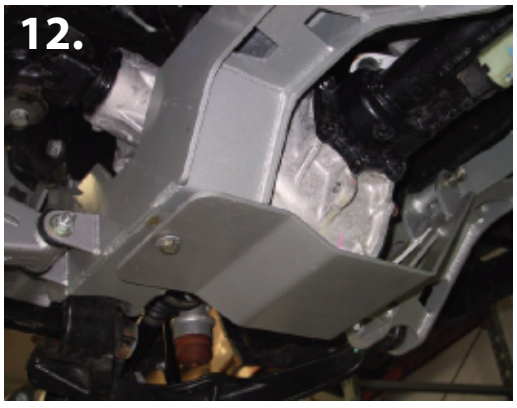
26. Install the new front (furthest front) bump stop brackets. The round tube goes up into the factory bump stop mount. The top hole on the bump stop bracket (with the welded nut) just bolts against the frame. So the bolt will push against the frame only, use the provided 1/2" x 1-1/2" bolt. Next, mark and drill the lower hole. Use the provided "U" bracket on the opposite side along with 1/2" x 4-1/2" bolt to go through the bracket and frame. (pic 8-9)



27. Install the new provided brake line bracket (both sides of vehicle) into the factory location using the factory hardware. Next, bolt the factory bracket to the new drop bracket using the provided 5/16" x 1" bolt. (pic 10)



28. Make sure the factory sway bar is installed in the factory location. Now install the new provided sway bar end links onto the sway bar and lower control arms. Use the factory bushings with the new provided gold washers. (pic 11)

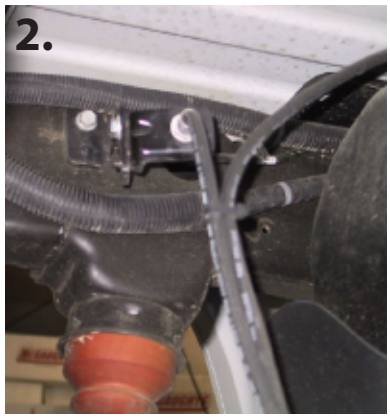


29. Install the new skid plate using the provided 1/2" x 4" bolt on the front crossmember mount and 1/2" x 1-1/2" bolt on the rear crossmember. (pic 12)

REAR INSTALLATION

With the vehicle turned off and the parking brake set, secure the front wheels/tires with wheel chocks. Use a jack and lift the rear of the vehicle. Place jack stands under the frame on both side of the vehicle. Remove the rear wheels.

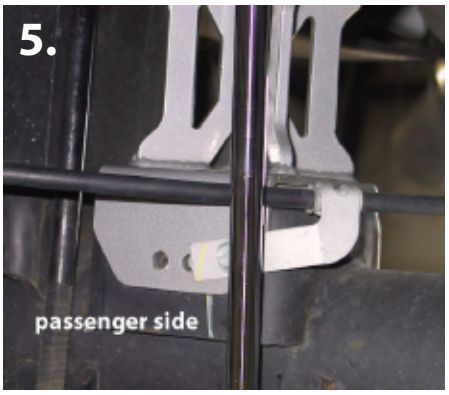




1. Disconnect the factory emergency brake cable bracket from the frame. Install the new provided drop down bracket in the factory location using the factory hardware. Now install the original bracket to the new drop bracket using the provided 5/16" x 1" bolt. (pic 1)
2. Disconnect the factory rubber brake hose bracket from the frame. Install the new brake line drop bracket into the factory location using the factory hardware. Now install the original bracket to the new drop bracket using the provided 5/16" x 1" bolt. Make sure the tab sticks through the lower hole. (pic 2)







3. Make sure the rear end is supported and loosen the u-bolts on one side of the vehicle. Do not remove them. Move to the other side of the vehicle and remove those u-bolts completely. Install the new provided lift block using the new u-bolts. The pin in the block is not centered. Make sure the smaller distance from the pin to the edge of the block is towards the front of the vehicle. Now repeat this process on the opposite side of the vehicle. Once both sides are installed, tighten all the u-bolt hardware. (pic 3)
4. Un-bolt the factory brake line bracket that connects the rubber hose to the steel brake line on the rear end. Line up the three holes on the new bump stop bracket with the three holes on the frame. Put the brake line bracket back on top of the bump stop bracket using the same hole it came out of. Use the provided 5/16" x 1" self tapping screws. (pic 4-5)
5. Install the new provided rear shocks into the factory location using the factory hardware. Make sure the shock body is towards the bottom and the shaft is towards the top.

*** Double check all of the front and rear fasteners and components, making sure everything has been torqued to the proper specifications. This MUST be done before operating the vehicle.**
*** Vehicle MUST be properly aligned before driving.**
*** After 500 miles, be sure to go over all of the front and rear suspension and lift components to make sure nothing has come loose and everything is still tight.**
*** We recommend periodically checking all of the front and rear suspension and lift components to be sure they are tight and in proper working order.**