



95-98 CHEVY TRUCK INSTALLATION INSTRUCTIONS KIT #13660

⚠WARNING

Installation of a Tuff Country body lift will change the center of gravity and the handling characteristics of the vehicle. Because of the higher center of gravity and larger tires, the vehicle will handle and react differently both on and off road. You must drive it safely! Extreme care must be taken to prevent vehicle rollover or loss of control, which could result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers and always make sure all vehicle occupants have their seat belts fastened.

⚠WARNING

Read and understand all instructions, warnings, cautions, and notes in this sheet and in your owner's manual before you begin the installation of this body lift kit.

⚠CAUTION

Proper installation of a Tuff Country body lift kit requires knowledge of the factory recommended procedures for disassembly and assembly of original equipment components. It is recommended that the factory shop manual and any special tools necessary to your vehicle be on hand during the installation. Installation of this body lift kit without proper knowledge of the factory recommended procedures might affect the performance of these components and the safety of your vehicle. It is strongly recommended that a certified mechanic who is familiar with the installation of similar components install this body lift kit.

⚠WARNING

This body lift kit should only be installed on vehicles that are in good working condition. Before the installation begins, the vehicle should be thoroughly inspected for evidence of corrosion or deformation of the sheet metal around the factory body mounts. This body lift kit should not be installed on any vehicle that is suspected to have been in a collision, or misused. Off road use of your vehicle with this body lift installed may increase the stress applied to the factory body mounts. It is not recommended that any vehicle, with a body lift installed, be involved in any extreme off road maneuvers. Failure to follow this warning may result in serious personal injury and/or serious damage to your vehicle.

⚠WARNING

Tuff Country strongly discourages the use of a suspension lift kit or any other lift device in addition to a body lift kit. A vehicle that uses a combination of lift devices not originally engineered to be used together may result in unexpected and unsafe handling characteristics. Many states now have laws restricting bumper heights and vehicle lifts. Local laws should be consulted to determine if the changes you intend to make to your vehicle complies with state laws.

⚠WARNING

The installation of larger wheel and tire combinations may reduce the effectiveness of the Anti-lock Braking System.

⚠NOTE

Tuff Country recommends using the Loctite® supplied in the kit, on all hardware unless noted in the instructions.

⚠WARNING

Always wear eye protection when operating power tools.

1. Read all warnings and instructions completely and carefully before you begin. Check the kit for proper contents (refer to the part's list).

NOTE: This kit is designed to fit 95-98 2wd and 4wd, standard and extended cab full size Chevy and GMC pickups with gasoline engines only. This kit is not designed to fit vehicles equipped with diesel engines.

⚠WARNING

Make sure that your vehicle is properly blocked and secured before you begin installation of this lift kit.

2. Park the vehicle on a clean, dry, flat, level surface. Block the tires so the vehicle cannot roll in either direction.

⚠WARNING

The Supplemental Restraint System (SRS, air bag) must be deactivated before installation of the lift kit to avoid accidental deployment of the air bag while working near SRS sensors and wiring. Do not allow anyone near the air bag during installation of the lift kit. Accidental deployment can result in serious personal injury or death. Refer to your factory service manual for the recommended procedure to disable the SRS before installation of lift blocks. The SRS must be reactivated before driving the vehicle.

3. Disconnect both battery cables. Be sure to disconnect the negative cable first, then the positive cable. Remove the airbag fuse from the fuse box.

⚠CAUTION

Be sure that the steering shaft does not turn independently of the steering gearbox. This could cause the air bag system to malfunction causing possible personal injury and damage to the vehicle.

4. Disconnect the lower steering shaft from the steering column at the firewall inside the engine compartment. Remove the nut and bolt that join the steering column to the lower steering shaft. Separate the steering shaft from the steering column. Install the male end of the steering extension up into the steering column. Insert one 3/8" x 1 1/2" with a washer through the hole in the steering column and steering extension. Install a 3/8" washer and nylock nut on the bolt. **Do not tighten at this time** at this time. Install the lower steering shaft up into the female end of the steering extension. Insert the stock bolt through the hole in the steering extension and the lower steering shaft. Install the stock nut on the bolt. Tighten all steering hardware securely. Tighten the 3/8" Abolt to 20 lbs/ft. Tighten the factory bolt to the factory torque specification. *Use the supplied Loctite® on all steering hardware.*

5. Separate the parking brake cable at the clip connecting the rear cable to the front cable. Remove the front cable from the hole in the frame mount (squeeze the tabs together). Mount parking brake cable relocating bracket to the frame mount by drilling two 5/16" holes in the frame mount corresponding to the holes in the new bracket. Mount the new bracket using two 5/16" x 1" bolts, four 5/16" washers and two 5/16" nylock nuts. Reroute the cable through the large hole in the relocating bracket. Reconnect the front cable to the rear cable at the clip. Set the parking brake to help prevent the vehicle from rolling.

6. Remove the four screws mounting each driving light to the grill assembly. Remove both from each plastic

housing. Remove the light housing from the vehicle. Remove the screws mounting the grill assembly to the vehicle. Remove the grill assembly from the vehicle.

⚠WARNING

When removing the front bumper, be careful not to damage the air bag sensor, located underneath the radiator in the center.

DO NOT MOVE THE AIR BAG SENSOR FROM THE STOCK LOCATION. MOVING THE SENSOR FROM THE STOCK LOCATION COULD RESULT IN MALFUNCTION OF THE AIR BAG SYSTEM.

7. Remove the two bolts (on each side) attaching the outside bumper bracket to the frame bracket. Loosen the four bolts that mount the bumper to the two inside bumper brackets. **DO NOT REMOVE.** Remove the three bolts that mount the stock bumper brackets to the frame. Swing the two outside bumper brackets out of the way. Remove the bumper from the vehicle.

8. Remove the screws that mount the upper fan shroud to the core support. Remove the four bolts mounting the upper portion of the fan shroud to the lower portion of the fan shroud. Remove the two bolts mounting the lower fan shroud to the core support (under the radiator). Remove the lower fan shroud from the vehicle.

9. **AUTOMATIC TRANSMISSION MODELS.** The automatic transmission is equipped with a cable shift. The cable runs down under the carpeting and through the floorboard to the transmission. There is a plastic locating-clip on the cable at the floorboard. The front seat will need to be removed to gain access to the cable. Remove the bolts that mount the seat to the floorboard. There should be eight on a bench seat, four on a bucket seat. If the seat is electric, disconnect the wiring. Remove the seat from the vehicle. Remove the doorjamb scuff plates. Pull the carpeting up to access the cable. The plastic clip is glued to the cable. Break the clip off the cable to allow the cable to slide through the rubber boot at the floorboard. Be sure that the entire clip has been removed. It may be necessary to pull the cable away from the masking tape that holds it to the floorboard. Push the cable through the floorboard as much as possible. Replace carpeting. Reinstall doorjamb scuff plates. Reinstall the front seat. Reconnect the wiring if equipped. Tighten the seat mounting bolts securely. **Manual transmission models.** The shift lever should drop down in the floor during lifting.

10. **4 WHEEL DRIVE MODELS ONLY.** Vehicles equipped with electronic shift control require no modification. **MANUAL 4WD SHIFT:** Be sure that the transfer case is in "2-HI" position. Remove the nut holding the transfer case shift linkage to the transfer case shift lever. Remove the linkage from the shift lever. The linkage will need to be adjusted after lifting operation is complete.

11. Remove the wiring and the steel vapor lines from the

clips on the driver's side frame rail. Check for any other wires, cables, hoses that may need to be disconnected before lifting. Disconnect as necessary. Make a diagram to insure proper reconnection after the lifting operation is complete.

⚠WARNING

Use extreme caution when working near fuel lines and fuel tank. Clean up spilled fuel immediately. Any spark could cause an explosion or fire resulting in serious personal and property damage.

12. Disconnect the fuel filler neck from the body. Disconnect the fuel filler hose from the fuel tank. Remove the hose from the vehicle.

13. Measure the distance between the cab and the bed. Record these measurements to insure proper realignment of the cab and bed after lifting operation is complete.

14. Loosen, but do not remove all six cab-mounting bolts (there are eight on extra cab models). They are located as follows (one on each side of the vehicle); in front beside the radiator, screwing down from the top, under the front floorboard screwing up into the body, just behind the front seat also screwing up into the body (extra cab models will have another mount also behind the front seat screwing up into the body).

⚠NOTE

Because the washers on the front bolts are fixed to the bolt, use the thick 1/2" washers in these locations.

Do not tighten at this time.

15. Remove the cab mounting bolts from the passenger side of the cab only. Be sure that vehicle doors are closed. This will help prevent the cab from flexing during the lifting operation. Using a hydraulic jack and a wooden block, slowly lift the passenger side of the vehicle just high enough to place the spacer blocks on the body mounting pads (the cab uses all large spacer blocks. Be sure to constantly check for any wires, hoses, cables, etc. that may be binding. Install new cab mounting bolts and washers in conjunction with stock hardware. Lower the body onto the spacer blocks. All locations use 12mm x 180mm bolts (12mm x 160mm bolts in 2" kit).

16. Repeat step #15 for the driver's side of the vehicle. Check to be sure that the steering shaft is extending while lifting the driver's side of the cab. It should extend approximately 1 1/4" to 1 3/8". Remove cab-mounting bolts, one at a time, apply Loctite®, reinstall bolt and tighten to vehicle torque specifications. *Use the supplied Loctite® on all mounting hardware.*

17. Loosen, but do not remove all eight bed-mounting bolts (six on short bed models). They are located as follows; at the front of the bed, just in front of the rear axle, just behind the rear axle, and at the rear of the bed.

18. Remove the bed mounting bolts from the passenger side of the bed only. Using a hydraulic jack and a wooden block, slowly lift the bed just high enough to place the spacer blocks on the bed mounting pads. The small block goes on the mounting pad just behind the rear axle. Install the 12mm x 100mm bolts (12mm x 80mm for a 2" kit) at all mounting locations on the bed. **Do not tighten at this time.**

⚠CAUTION

A certified welder should perform all welding.

19. Repeat step #18 for driver's side of the bed. Place steel bed support blocks on the frame under the cross supports of the bed (there are four on long bed models, and two on short bed models). Tack weld the bed support blocks in place. *We recommend that all welding be done by a certified welder only.* Realign the bed to the cab. Refer to the measurements recorded earlier. Remove bed-mounting bolts, one at a time, apply Loctite®, reinstall bolt and tighten to vehicle torque specifications. *Use the supplied Loctite® on all mounting hardware.*

20. Lengthen the fuel filler hose. Cut the filler hose toward the bottom below the first bend. Install the 2" diameter fuel filler extension between the two sections of the filler hose. Install a #36 hose clamp at each end of the extension. Tighten both hose clamps securely. Reconnect the fuel filler hose to the fuel tank. Reconnect the fuel filler neck to the body. Tighten all hose clamps securely. Tighten the filler neck mounting screws securely.

21. Replace the wiring and the steel vapor lines in the clips on the frame rail where possible.

⚠NOTE

The transfer case shift lever may not register in the same positions on the console. Check operation to be sure that transfer case engages in all ranges.

22. **4 WHEEL DRIVE MODELS ONLY.** Adjust the transfer case linkage. Turn the linkage out until the slot can realign with the linkage bolt on the transfer case. Reinstall transfer case shift linkage to the transfer case using the stock washer and nut. Tighten securely. *Use the supplied Loctite® on all mounting hardware.*

23. **AUTOMATIC TRANSMISSION ONLY** Be sure that the cable has pulled through the floorboard and is not pulling on the boot or binding the cable.

24. **MANUAL TRANSMISSION ONLY** The vehicle is equipped with a hydraulic clutch and requires no modification. Check gearshift operation. Be sure that the shift lever engages completely in all gears. If it does not, remove the shift boot. Check gear shift operation again. Note the positions where the gearshift contacts the floorboard. Notch the floorboard to allow for complete

engagement. Reinstall the shift boot.

25. Remove the stock nuts clipped to the fan shroud (for the four bolts that bolts the upper fan shroud to the lower fan shroud). Drill the four holes to 3/8". Notch the bottom of the lower fan shroud on both sides of the shroud to allow the shroud to go down 3". Reinstall the lower fan shroud under the fan. Using the stock hardware, mount the two lower fan shroud drop down brackets to the positions that the fan shroud originally mounted to at the bottom of the core support. Mount the lower fan shroud to the studs protruding from the fan shroud brackets. Install a 1/4" washer and nylock nut on each stud. Adjust the fan to lower fan should clearance. Be sure that the distance is equal on both sides. Tighten all lower fan shroud mounting hardware securely *Use the supplied Loctite® on all mounting hardware*. Reinstall the upper fan shroud to the core support. Install the four fan shroud spacer tubes between the two sections of the fan shroud in the four positions that the two sections were originally bolted together. Install one 3/8" x 4 1/2" bolt with a 3/8" washer through the fan shroud and spacer tubes at each location. Install a 3/8" washer and nylock nut on each bolt. Tighten all fan shroud hardware securely. *Use the supplied Loctite® on all mounting hardware*. Double check fan shroud clearance all the way around the shroud. Be sure that the fan cannot contact the fan shroud.

⚠NOTE

On 2" kits, it is only possible to mount the outside support brackets to the relocating bracket with one bolt because the frame mount interferes.

26. Reinstall the front bumper. Remove the stock inside bumper brackets from the front bumper. Using four 7/16" x 1" bolts, four 7/16" large washers, four 7/16" small washers, and four 7/16" nylock nuts, install the new bumper brackets to the front bumper (the large washers go on the outside of the bumper, and the small washers go on the inside of the bumper brackets). **Do not tighten at this time**. Using the stock hardware, install the outside bumper support relocating plates to the position that the outside support brackets were originally mounted to. **Do not tighten at this time**. If the vehicle is equipped with tow hooks, there are two options: (a) remove the tow hooks from the vehicle. Be sure to also remove the plate inside the frame rail that the tow hooks bolted to (b) notch the bottom bumper valance to allow clearance for the tow hooks. Reinstall the front bumper and new brackets on the vehicle. Using six 7/16" x 1 1/2" bolts, twelve 7/16" large washers, and six 7/16" nylock nuts, mount the inside bumper brackets to the stock locations. **Do not tighten at this time**. Using four 7/16" x 1" bolts, four 7/16" large washers, four 7/16" small washers, and four 7/16" nylock nuts (the large washers go on the plate, and the small washers go on the stock brackets). **Do not tighten at this time**. Adjust the bumper to body clearance. Tighten all bumper mounting hardware securely. *Use the supplied Loctite® on all mounting hardware*.

27. Reinstall the grill assembly and tighten securely. Reinstall the light bulb into the light housings. Reinstall the light housings to the grill assembly. Tighten securely.

28. Reinstall both battery cables to the battery. Be sure to install the positive cable first, then the negative cable.

29. Reinstall the air bag fuse in the fuse box.

30. Place the warning sticker on dash in plain sight of all vehicle occupants.

⚠CAUTION

All fasteners should be retorqued after 500 miles and after off road use. All body lift components should be visually inspected and fasteners retorqued during routine vehicle servicing.

31. Double-check the vehicle. Check for any wires, cables, hoses, etc. that may be binding. Check transmission and transfer case operation. Be sure that there is complete engagement in all gears and 4 wheel drive ranges. Start the vehicle. Check steering operation. Be sure that there is no binding. Check fan to fan shroud clearance again. Check clutch operation. Test drive in all gears and 4 wheel drive ranges. Double-check all hardware again in 500 miles, and as part of your regular maintenance schedule.

⚠NOTE

The vehicle owner must retain all warranty information, instruction sheets, and other documents regarding the installation of this product. Information contained in the instructions and on the warranty card will be required for any warranty claims. The vehicle owner needs to understand the modifications that have been made to his vehicle and how they affect the handling and performance of the vehicle. Failure to provide the customer with this information can result in damage to the vehicle and possible personal injury.

⚠CAUTION

Tuff Country does not recommend any particular wheel and tire combinations for use with its body lifts and can not assume responsibility for the customers choice of wheels and tires. Your owner's manual can be referenced for recommended tire sizes and warnings related to the use of oversized tires. Larger wheel and tire combinations increase stress and wear on steering and suspension components, which leads to increased maintenance and higher risk for component failure. Larger wheel and tire combinations also alter speedometer calibration, braking effectiveness, center of gravity, and handling characteristics. Consult with an experienced local off road shop to find what wheel and tire combinations work best with your vehicle.

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PARTS LIST

<u>QTY</u>	<u>DESCRIPTION</u>		
13	3" large spacers	2	outside bumper support relocating brackets
3	3" mini spacers	8	7/16" x 1" bolts
8	12mm x 180mm	6	7/16" x 1 1/2" bolts
8	12mm x 100mm	20	7/16" large washers
2	Thick 1/2" washers	8	7/16" small washers
14	7/16" large washers	14	7/16" nylock nuts
4	3" bed support blocks	1	2" fuel filler extension
1	parking brake cable relocating bracket	2	#36 hose clamps
2	lower fan shroud support brackets		
4	fan shroud spacers tubes		
4	3/8" x 4 1/2" bolts		
10	3/8" washers		
5	3/8" nylock nuts		
2	1/4" x 1" bolts		
6	1/4" washers		
4	1/4" nylock nuts		
1	steering extension		
1	3/8" x 1 1/2" bolt		
2	center bumper brackets		