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1988-1994 CHEVY TRUCK INSTALLATION INSTRUCTIONS KIT #PA10012/PA10013

⚠WARNING

Installation of a 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 body lift kit requires knowledge of the factory recommended procedures for disassembly and assembly of original equipment components. We recommend 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 may affect the performance of these components and the safety of your vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this body lift kit.

⚠WARNING

This body lift kit should only be installed on vehicles in good working condition. Before installation, 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. We do not recommend that any vehicle with a body lift installed be involved in any extreme off-road maneuvers such as jumping. Failure to observe this warning may result in serious personal injury and/or severe damage to your vehicle.

⚠WARNING

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 comply with state laws. Before combining a body lift with a suspension lift, consult an installation professional to see how this will affect your specific application.

⚠WARNING

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

⚠WARNING

We will not warranty any damage to the A/C system.

⚠WARNING

Always wear eye protection when operating power tools.

⚠WARNING

Ensure that your vehicle tires are properly blocked and secured before you begin installation of this lift kit.

⚠NOTE

We recommend using the Loctite® supplied in the kit on all hardware unless noted in the instructions.

A. Before you start.

⚠NOTE

This kit is designed to fit 1988-1994 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.

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

⚠WARNING

Ensure 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.
3. Battery cable.
 - a. Disconnect both battery cables. Be sure to disconnect the negative cable first, then the positive cable.

B. Get ready to install the kit

1. Steering shaft.
 - a. Disconnect the lower steering shaft from the steering column at the firewall, inside the engine compartment. Remove the nut, bolt, and lower steering shaft from the steering column.

⚠NOTE

It may be necessary to wait until the body has been lifted to install the steering extension in the steering shaft.

- b. Install the small end of the steering extension up into the steering column.
- c. Insert one 3/8" x 1 1/2" bolt 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.

- d. Install the large end of the steering extension into the lower steering shaft. Insert the stock bolt through the hole in the steering extension and the lower steering shaft. Install the stock nut on the bolt.
- e. Tighten all steering hardware securely. Tighten the 3/8" x 1 1/2" bolt to 20 ft.-lbs. Tighten the factory bolt to the factory torque specification.

2. Parking brake.

- a. Separate the parking brake cable at the clip connecting the rear cable to the front cable.
- b. Remove the front cable from the hole in the frame mount (squeeze the tabs together).
- c. 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 kit parking brake cable relocating bracket.
- d. Mount the kit parking brake cable relocating 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 kit parking brake cable relocating bracket.
- e. Reconnect the front cable to the rear cable at the clip.

3. Front driving lights.

- a. Remove four screws from driving lights and grill assembly.
- b. Remove two driving lights from plastic housings.
- c. Remove two plastic housings from the vehicle.

4. Grille.

- a. Remove the screws mounting the grille assembly to the vehicle.
- b. Remove the grill assembly from the vehicle.

5. Front bumper.

- a. Remove the two bolts (on each side) attaching the outside bumper bracket to the frame bracket.
- b. Loosen the four bolts that mount the bumper to the two inside bumper brackets. DO NOT REMOVE.

- c. Remove the three bolts that mount the stock bumper brackets to the frame.
 - d. Swing the two outside bumper brackets out of the way. Remove the bumper from the vehicle.
6. Fan shroud.
- a. 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.
 - b. Remove the two bolts mounting the lower fan shroud to the core support (under the radiator).
 - c. Remove the lower fan shroud from the vehicle.
7. Automatic transmission.
- a. Lengthen the transmission shift rod.
 - b. Scribe a line along the shift rod just above the first bend at the top of the linkage rod.
 - c. Cut the shift rod through the scribed line.
 - d. Place the shift rod extension between the two pieces of the shift rod. Align the scribed line and weld the extension in place.
8. 4 wheel drive models.
- a. Vehicles equipped with electronic shift control require no modification.
 - b. Manual 4WD shift: Be sure that the transfer case is in "2-HI" position.
 - c. Remove the nut holding the transfer case shift linkage to the transfer case shift lever.
 - d. Remove the linkage from the shift lever.
 - e. The linkage will need to be adjusted after lift is complete.
9. Wires and clips.
- a. Remove the wiring and the steel vapor lines from the clips on the driver's side frame rail.
 - b. Check for any other wires, cables, or hoses that may need to be disconnected before lifting. Disconnect as necessary. Make a diagram to ensure 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.

10. Disconnect the fuel filler.

- a. Disconnect the fuel filler neck from the body.
- b. Disconnect the fuel filler hose from the fuel tank.
- c. Remove the hose from the vehicle.

C. Install the kit.

1. Measurements.

- a. Measure the distance between the cab and the bed. Record these measurements to ensure proper alignment of the cab and bed after lifting operation is complete.

2. Prepare to lift the body.

- a. Loosen but do not remove all six cab-mounting bolts (there are eight on extra cab models). They are located as follows 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; and 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).

3. Lift body to install passenger spacer blocks

- a. Remove the cab mounting bolts from the passenger side of the cab only. Ensure that vehicle doors are closed. This will help prevent the cab from flexing during the lifting operation.

- b. 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.

⚠NOTE

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

- c. Install new cab mounting bolts and washers in conjunction with stock hardware. All locations use 12mm x 180mm bolts (12mm x160mm bolts in 2" kit).
 - d. Lower the body onto the spacer blocks.
4. Lift body to install driver's side space blocks.
- a. Repeat steps 2 and 3 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".
 - b. Remove new 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.
5. Lift the bed.
- a. 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.
 - b. Remove the bed mounting bolts from the passenger side of the bed only.

⚠NOTE

The small block goes on the mounting pad just behind the rear axle.

- c. 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.
- d. Install the 12mm x 100mm bolts (12mm x 80mm for a 2" kit) at all mounting locations on the bed.
- e. Repeat step 5a through 5d for driver's side of the bed.

- f. Realign the bed to the cab. Refer to the measurements recorded earlier.
- g. Remove new 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.

6. Bed support blocks.

- a. Position 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).

⚠NOTE

We recommend that all welding be done by a certified welder only.

- b. Weld bed support blocks on frame.

7. Lengthen the fuel filler hose.

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

8. Wires and clips.

- a. 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.

9. 4-Wheel drive models.

- a. Adjust the transfer case linkage by turning the linkage out until the slot can realign with the linkage bolt on the transfer case.
- b. Reinstall transfer case shift linkage to the transfer case using the stock washer and nut and tighten securely.

10. Automatic transmission.

- a. The linkage rod should be painted to prevent rusting. Install the shift rod in the spring-loaded bracket at the transmission and the steering column shift lever. Tighten the transmission linkage securely.

11. Manual transmission.

- a. If the vehicle is equipped with a hydraulic clutch it requires no modification.
- b. Check gearshift operation. Be sure that the shift lever engages completely in all gears. If it does not, remove the shift boot and check gear shift operation again. Note the positions where the gearshift contacts the floorboard.
- c. Notch the floorboard to allow for complete engagement and install the shift boot.

12. Under the hood (fan shroud).

- a. Remove the stock nuts clipped to the fan shroud (for the four bolts that secure the upper fan shroud to the lower fan shroud).
- b. Drill the four holes out to 3/8".
- c. Notch the bottom of the lower fan shroud on both sides of the shroud to allow the shroud to go down 3".
- d. Reinstall the lower fan shroud under the fan.

- e. 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.

- f. Mount the lower fan shroud to the studs protruding from the fan shroud brackets and install a 1/4" washer and nylock nut on each stud.

- g. Adjust the fan to lower fan shroud clearance. Ensure that the distance is equal on both sides.

- h. Tighten all lower fan shroud mounting hardware securely. Use the supplied *Loctite*® on all mounting hardware.

- i. Reinstall the upper fan shroud to the core support.

- j. 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.

- k. Install one 3/8" x 4 1/2" (3/8" x 3 1/2" for 2" kit) 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.

- l. Tighten all fan shroud hardware securely. Use the supplied *Loctite*® on all mounting hardware.

- m. Double-check fan shroud clearance all the way around the shroud. Ensure that the fan cannot contact the fan shroud.

13. Front bumper.

- a. Remove the stock inside bumper brackets from the front bumper.

- b. 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.

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.

- c. Using the stock hardware, install the outside bumper support relocating plates to the position that the outside support brackets were originally mounted to the stock locations on the frame. Do not tighten.

Tow Hook equipped vehicles:

- d. Option 1: Permanently remove the tow hooks from the vehicle. Be sure to also remove the plate inside the frame rail that the tow hooks bolted to.
- e. Option 2: Notch the bottom bumper valance to allow clearance for the tow hooks.
- f. Install 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 on the frame. Do not tighten at this time.
- g. 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 bumper support bracket, and the small washers go on the stock brackets) mount to the outside bumper support bracket. Do not tighten.
- h. Adjust the bumper-to-body clearance.
- i. Tighten all bumper mounting hardware securely. Use the supplied *Loctite*® on all mounting hardware.

D. After Installation

1. Grille.
 - a. Install the grille assembly and tighten screws securely.
2. Front lights.
 - a. Install two plastic housings on grille assembly.

- b. Install two driving lights on plastic housings.
- c. Install two driving lights on grille assembly with four screws.

3. Battery cables.

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

4. Stickers.

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

5. Install Gap Guards.

- a. You did remember to buy your gap guards, didn't you?

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.

6. Double-check the vehicle.

- a. Check for any wires, cables, hoses, etc. that may be binding.
- b. Check transmission and transfer case operation. Be sure that there is complete engagement in all gears and 4 wheel drive ranges.
- c. Start the vehicle.
- d. Check steering operation. Be sure that there is no binding.
- e. Check fan-to-fan shroud clearance again.
- f. Check clutch operation.
- g. Test drive in all gears and 4 wheel drive ranges.
- h. 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

We do not recommend any particular wheel and tire combinations for use with our body lifts and can not assume responsibility for the customer's 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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E. Bill of Materials

Kit# PA10012 2" Parts List	
Quantity	Description
14	2" Blocks
2	2 x 2 Blocks
4	2 x 2 x 2 bed spacers
1	Front left bumper bracket
1	Front right bumper bracket
2	Front bumper side plates
1	Steering extension
1	2" fuel filler extension
1	Warning to driver sticker
1	Logo label
1	10ml bottle Loctite
1	Bolt Pack
	Bolts
8	12mmx 160mm bolts
8	12mm x 80mm bolts
2	5/16" x 1" bolts
1	3/8" x 1 1/2" bolts
	Washers
14	7/16" USS washers
2	3/8" USS washers
4	5/16" USS washers
2	1/2"x3/16"x1 3/4" thick washers
	Nuts
2	5/16" nylock nuts
1	3/8" nylock nuts
1	Parking brake relocation bracket
1	Hardware Pack
	Bolts
4	3/8" x 3 1/2" bolts
8	7/16" x 1" bolts
6	7/16" x 1 1/2" bolts
2	1/4" x 1" bolt
	Nuts
14	7/16" nylock nuts
4	3/16" nylock nuts
2	1/4" nylock nuts
	Washers
8	3/8" USS washers
20	7/16" USS washers
8	7/16" SAE washers
2	1/4" SAE washers
	Miscellaneous
4	1/2" x 3" fan shroud spacers
2	#36 hose clamps
2	Lower fan shroud supports
1	3/8" x 2" a/t shift rod extension

Kit# PA10013 3" Parts List	
Quantity	Description
14	3" Blocks
2	3 x 2 Blocks
4	2 x 3 x 2 bed spacers
1	Front left bumper bracket
1	Front right bumper bracket
2	Front bumper side plates
1	Steering extension
1	2" fuel filler extension
1	Warning to driver sticker
1	Logo label
1	10ml bottle Loctite
1	Bolt Pack
	Bolts
8	12mmx 180mm bolts
8	12mm x 100mm bolts
2	5/16" x 1" bolts
1	3/8" x 1 1/2" bolts
	Washers
14	7/16" USS washers
2	3/8" USS washers
4	5/16" USS washers
2	1/2"x3/16"x1 3/4" thick washers
	Nuts
2	5/16" nylock nuts
1	3/8" nylock nuts
1	Parking brake relocation bracket
1	Hardware Pack
	Bolts
4	3/8" x 4 1/2" bolts
8	7/16" x 1" bolts
6	7/16" x 1 1/2" bolts
2	1/4" x 1" bolt
	Nuts
14	7/16" nylock nuts
4	3/16" nylock nuts
2	1/4" nylock nuts
	Washers
8	3/8" USS washers
20	7/16" USS washers
8	7/16" SAE washers
2	1/4" SAE washers
	Miscellaneous
4	1/2" x 3" fan shroud spacers
2	#36 hose clamps
2	Lower fan shroud supports
1	3/8" x 3" a/t shift rod extension