



1994-2001 DODGE PICKUP INSTALLATION INSTRUCTIONS KITS 662, 663, 672, 673, 60012, 60013, 60063, 60073

⚠WARNING

Installation of a Performance Automotive Group body lift kit 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 Performance Automotive Group 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

Performance Automotive Group strongly discourages the installation of a suspension lift kit or any other lift device on a vehicle upon which a body lift kit has been installed. 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

Performance Automotive Group recommends applying the Loctite® supplied in the kit to the threads of all fasteners unless noted in the instructions.

⚠WARNING

Always wear eye protection when operating power tools.

Read all warnings and instructions completely and carefully before you begin. Check the kit for proper contents (refer to the Kit Parts List at the end of this document). If at anytime during the installation you encounter something different from what is outlined in the instructions, call Technical Support at (928) 636-7080.

⚠WARNING

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

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

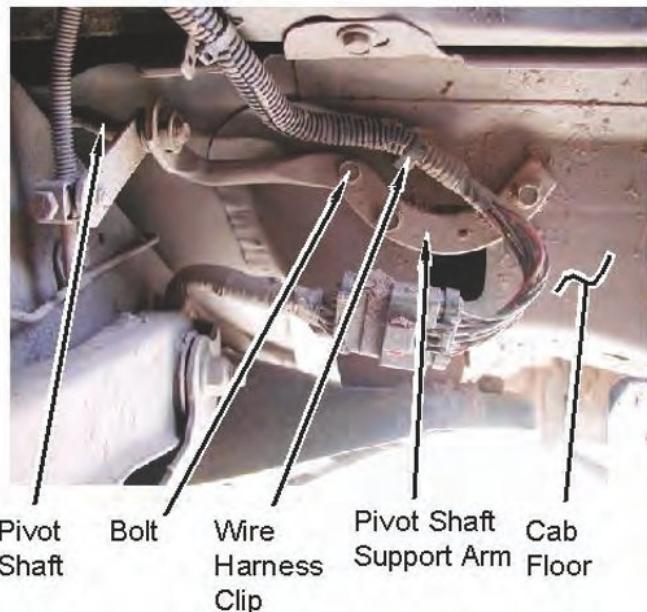
Battery cables Disconnect both battery cables. Be sure to disconnect the negative cable first, then the positive cable.

Airbag fuse Remove the airbag fuse from the fuse box.

Parking brake Under the driver side door, remove the bolt that attaches the parking brake cable to the frame. Remove the clamp from the cable. Turn the clamp upside down and reattach it to the cable. Remove the front two bolts that secure the vapor canister to the frame (if equipped). Reroute the parking brake cable between the two legs on the vapor canister. Install the clamp on the cable at the hole in the frame that is above and to the rear of the original hole. Install the legs of the vapor canister on the frame.

A/T shift linkage rod On the driver side frame, disconnect the automatic transmission shift linkage rod from the pivot assembly. In the engine compartment, disconnect the linkage rod from the lever at the steering column. Remove the linkage rod.

A/T pivot bracket (2002 models) Remove the wire harness clip from the cab floor. Remove three bolts and the pivot shaft support arm from the cab floor.



Transfer case (1994-97) Remove the cap from the knob on top of the transfer case (4WD) shift lever. Loosen the nut that secures the knob to the shift lever. Remove the screws that secure the shift boot to the floor. Remove the shift boot. Remove the nut that secures the transfer case shift linkage rod to the transfer case. Remove two

bolts that secure the transfer case shift assembly to the side of the transmission. Remove the transfer case shift assembly from the vehicle.

Transfer case (1998-02) Loosen the trunnion bolt (adjustment bolt) on the shift linkage rod. This will allow the rod to slide in the trunnion while the cab is being lifted.

Steering shaft Mark the steering shaft where it connects to the steering gearbox. This is to ensure proper alignment after the kit steering extension has been installed later. Remove the bolt that secures the steering shaft to the gearbox. Remove the steering shaft from the gearbox.

Front bumper (Sport model is not equipped with outer braces.) Disconnect the wire harness for the driving lights if equipped. (A single wire under the core support is connected to the wiring for both lights.) Disconnect the horn wires. Disconnect two ground wires from the front bumper outer support brace on the driver side. Remove the bolts that secure the braces to the frame (one on each side of the vehicle). Loosen the nuts that secure the braces to the bumper. Remove the bolts that secure the main bumper brackets to the frame. Remove the bumper and brackets as an assembly.

Heater hose Remove the heater hose from the bracket on the passenger side valve cover.

Fan shroud Remove the windshield washer bottle from the side of the fan shroud. (Bumps on the washer bottle lock into holes in the fan shroud.) Lay the bottle out of the way so the wiring does not need to be disconnected. Remove the coolant recovery hose from the nipple on the radiator. Remove the coolant recovery bottle from the fan shroud. Remove four bolts that secure the shroud to the radiator. Lay the fan shroud against the engine.

Check wires and hoses Check the engine compartment and under the cab for any other wires, hoses, cables, etc. that may need to be disconnected before lifting the cab. Disconnect as necessary.

Measure cab-to-bed Measure and record the distance between the cab and the bed for later reference.

Cab bolts (loosen) There are six cab mounting bolts (eight bolts on extra cab). The bolts screw up from the bottom and are threaded into the body. Two of the bolts are near the radiator (one on each side). Loosen, but do not remove, the cab mounting bolts.

Cab passenger side Remove the cab mounting bolts from the passenger side only. Be sure the doors are closed to prevent the cab from flexing. Place a hydraulic jack and wooden block under the cab, just inboard of the door on the body seam. Slowly lift the cab just high enough to place a kit block on top of each stock body mount bushings. (The kit blocks must be installed *in*

addition to the stock body mount bushings). Be sure to check for any wires, hoses, cables, etc. that may be binding. Install a kit bolt and a kit washer (7/16" USS) at each mount. DO NOT tighten at this time. Lower the cab onto the kit blocks.

2" lift: 12mm x **160**mm bolt
3" lift: 12mm x **180**mm bolt

Cab driver side Repeat the previous step for the driver side of the cab.

Cab bolts (tighten) Align the cab to the bed using the measurements recorded earlier. Remove each kit cab mounting bolt one at a time, apply Loctite® to the threads, install the kit bolt, and tighten it to manufacturer's specifications.

Steering shaft Install the male end of the kit steering extension into the steering shaft (it should only go in one way). Install the stock bolt in the steering shaft. Do not tighten. Extend the mark on the steering shaft down the kit steering extension so it can be realigned with the mark on the gearbox. Install the kit steering extension on the gearbox. Be sure that the marks are properly aligned. If the kit steering extension is not installed properly it could cause the steering wheel alignment to be off. Install the kit bolt (3/8" x 1 1/4" allen head) in the kit steering extension. Double-check the steering alignment. Securely tighten the stock bolt and kit bolt.

⚠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 injury and property damage.

Fuel filler Remove the gas cap. Remove three screws that secure the fuel filler neck to the bed. Disconnect the filler hose and vent hose from the fuel tank. Remove the fuel filler assembly from the vehicle.

Rear bumper Disconnect the license plate lights from the rear bumper. Remove six bolts that secure the rear bumper brackets to the frame. Remove the rear bumper and brackets as an assembly from the frame.

Spare tire Lower the spare tire to the ground. Remove the clip that connects the spare tire crank rod to the cranking mechanism. Remove the crank rod from the vehicle. Leave the spare tire in its lowered position.

Bed bolts (loosen) Loosen, but DO NOT remove, the bed mounting bolts (six bolts on short bed; eight bolts on long bed). Check for any wires, hoses, cables, etc. that might bind while lifting.

Bed passenger side Remove the bed mounting bolts from the passenger side only. Using a hydraulic jack and a wooden block, slowly lift the passenger side of the bed

just high enough to place a kit block on each bed mounting pad. At each bed mount, install a kit bolt, a kit washer (10mm x 30mm fender), and the stock fasteners. DO NOT tighten at this time. Lower the bed onto the kit blocks.

2" lift: 10mm x **80**mm bolt
3" lift: 10mm x **100**mm bolt

Bed driver side Repeat the previous step for the driver side of the bed.

Bed bolts (tighten) Align the bed to the cab using the measurements recorded earlier. Remove each kit bed mounting bolt one at a time, apply Loctite® to the threads, install the kit bolt, and tighten it to manufacturer's specifications.

Fuel filler Cut the rubber fuel filler hose into two pieces approximately in the middle of the hose. Install the kit pipe between the two pieces of the hose with two kit hose clamps (#28). Remove the vent hose from the fuel filler assembly. Install the kit hose on the fuel filler assembly with a kit hose clamp (#10). Install the fuel filler assembly on the fuel tank. Before tightening the hose clamps, install the filler neck through the hole in the plastic housing on the side of the bed. It is not necessary to install the three screws at this time; just be sure that the filler neck is aligned properly. Tighten both hose clamps at the fuel tank. Install three fuel filler screws. Install the gas cap.

Fan shroud (cut side tab) To lower the fan shroud, the lower mounting tab on the passenger side of the fan shroud must be cut off. This will allow for clearance at the lower radiator hose. Cut the mounting tab off flush with the side of the fan shroud.

Fan shroud (drill hole) Install three kit brackets (flat w/ stud) on the radiator with the stock bolts. DO NOT tighten at this time. Install the fan shroud on the kit brackets. Install the kit bracket ("L"-shaped) on the passenger side of the radiator near the bottom with the remaining stock fan shroud bolt. Position the kit bracket ("L"-shaped) so the hole in the bracket is aligned with the side of the fan shroud. Using the hole as a template, mark the fan shroud. Remove the fan shroud. Drill a 5/16" hole in the fan shroud where marked.

Fan shroud (install) Install the fan shroud on the kit brackets (flat w/ stud). Install the kit bracket ("L"-shaped) on the fan shroud with a kit bolt (1/4" x 1"), kit washers (1/4" SAE), and kit nut (1/4" nylock). (Install the bolt from the inside of the fan shroud out.) DO NOT tighten at this time. Ensure the clearance between the fan and fan shroud is the same all the way around. Install a kit washer (1/4" SAE) and kit nut (1/4" nylock) on each of the kit brackets (flat w/ stud). Tighten the fasteners at the kit bracket ("L"-shaped). Tighten the fasteners at the kit brackets (flat w/ stud). Check the clearance between the fan and fan shroud again. Check the clearance between the fan shroud and the automatic transmission cooler

lines. It may be necessary to carefully bend the cooler lines down to prevent them from rubbing on the fan shroud.

Fluid bottles Install the windshield washer bottle on the fan shroud. Trim about 1/2" off the locating tab on the coolant recovery bottle to ensure clearance at the automatic transmission cooler lines. Install the coolant recovery bottle on the fan shroud. Remove the hose from the coolant recovery bottle. Install the kit coolant recovery hose on the coolant recovery bottle and the radiator.

Front bumper (main brackets) Remove the front bumper main brackets from the bumper. (It is necessary to gently pull the plastic cover back to allow the bolt to move enough for the bracket to come off the bolts.) Install the kit brackets (main) on the bumper. DO NOT tighten the nuts at this time. Trim about 1/4"-1/2" off the front frame horns to allow for clearance of the bumper valance in the new raised position. Install the bumper on the frame. DO NOT tighten at this time.

Front bumper (outer braces) Install the kit brackets (outer support) on the frame with the stock fasteners. DO NOT tighten at this time. Install the stock outer support braces on the kit brackets with kit bolts (7/16" x 1 1/2"), kit washers (7/16" USS), and kit nuts (7/16" nylock). DO NOT tighten at this time.

Front bumper (completion) Adjust the bumper to body clearance. Tighten all bumper fasteners. Connect the horn wires to the horns. On the driver side, install two ground wires on the stock outer support brace. Connect the wiring harness for the driving lights (if equipped).

CAUTION

A certified welder should perform all welding.

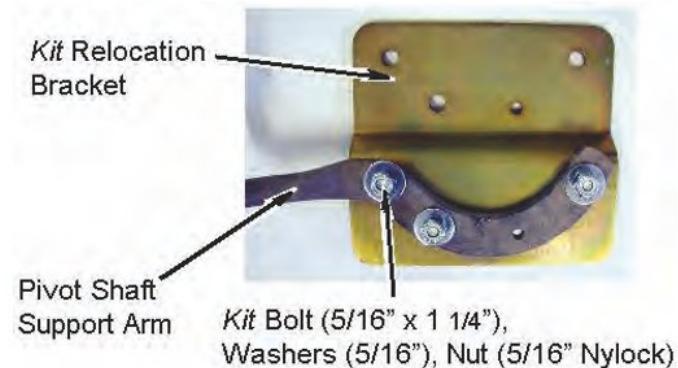
Transfer case shift lever (1994-97) To lengthen the transfer case (4WD) shift lever, cut it in half and weld the kit pin between the pieces as follows: Scribe a line along the axis (the long way) of the shift lever, just above the square section of the lever (above the shifter positioning bracket). (Later, before welding, this line will be used to ensure the pieces of the rod are correctly oriented in relation to each other.) Cut through the shift lever across the scribed line about 1 3/4" above the positioning bracket. Weld the kit pin between the pieces of the rod, ensuring the scribed lines are aligned. Install the shift lever assembly in the vehicle. Install the shift lever assembly on the side of the transmission using the stock bolts. Connect the linkage rod to the transfer case. Install the stock nut. Check the shift lever operation to ensure it engages in all 4WD ranges. (It might not be possible to shift into 4WD low until after the engine has been started.) Install the shift boot. Install the shift knob, nut, and cap.

Transfer case shift linkage (1998-02) Adjust the

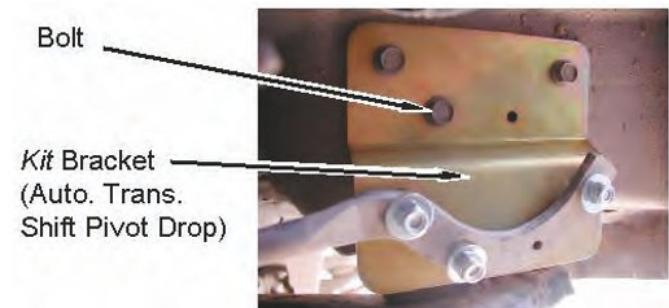
transfer case shift linkage according to the manufacturer's procedure.

A/T shift linkage rod To lengthen the automatic transmission shift linkage rod, cut it in half and weld the kit pin between the pieces of the rod as follows: Near the middle of the rod, scribe a line along the axis (the long way) of the shift linkage rod. (Later, before welding, this line will be used to ensure the pieces of the rod are correctly oriented in relation to each other.) Cut through the rod across the center of the scribed line. Weld the kit pin between the pieces of the rod, ensuring the scribed lines are aligned. Install the rod on the steering column bracket and the pivot assembly. Adjust the rod so the PRNDL indicator registers properly.

A/T pivot bracket (2002 models) Install the pivot shaft support arm on the kit bracket (A/T pivot drop) with three kit bolts (5/16" x 1 1/4"), six kit washers (5/16"), and three kit nuts (5/16" Nylock).



Install the kit bracket (A/T pivot drop) on the cab floor with three bolts.



Manual transmission Check the operation of the transmission shift lever to ensure it engages fully in all gears. If the shift lever does not engage completely in all gears, heat and bend the shift lever.

Spare tire crank rod Remove the rear license plate from the plastic license plate holder. Remove the screws that secure the holder to the body. Remove the holder. On the right side of the holder, measure in from the edge of the license plate light 1". Measure down from the top of the holder 2". Using a 1" hole saw, cut a hole in the holder at this location to relocate the crank rod. Install

the holder on the body. Install the crank rod through the hole in the holder and onto the crank mechanism. Install the clip in the crank rod and crank mechanism. If the crank rod is tight going through the holder, it may be necessary to file the opening slightly. The crank rod should be snug, but not tight. Raise the spare tire to the stowed position. Install the license plate. Install the license plate lights.

⚠WARNING

Raising the rear bumper is intended to enhance the appearance of the vehicle only. The rear bumper will no longer be rated for towing of any kind. Attempting to tow with the rear bumper after it has been raised can result in damage to the vehicle and possible personal injury. A class III receiver hitch must be installed in order to tow with the vehicle after the rear bumper has been raised.

⚠NOTE

To raise the rear bumper, use Rear Bumper Kit #60023 (sold separately) **or** use the following procedure. If using the following procedure, the holes must be drilled in the correct positions for the bumper to fit properly. It may be desirable to trial-fit the bumper several times during this procedure to be sure that the holes are in the proper positions. The measurements for repositioning the rear bumper are very important.

Rear bumper – drilling (3" lift) Measure 3" straight up from the stock bumper mounting hole that is closest to the edge on the frame. Drill a 1/2" hole at this location. Go to the next stock hole forward on the frame and measure straight up 2". Drill a 1/2" hole at this location. Go to the next stock hole forward and measure straight up 1 3/4". Drill a 1/2" hole at this location. The stock bumper brackets have two parts on each side: an inside bracket and an outside bracket. These two parts are joined at two locations when the bumper is installed on the frame. One location is where the brackets are mounted to the rearmost hole in the frame. This location will remain the same. At the next location forward, measure straight down 1" in respect to how the brackets would be positioned on the vehicle. Drill a 1/2" hole through the outside bracket and the inside bracket. The next hole forward is only on the inside bumper bracket. Measure straight down 1 1/4" (close to the corner of the bracket). Drill a 1/2" hole in this location.

Rear bumper – drilling (2" lift) Measure straight up on the frame 2" from the rear two stock bumper mounting holes. Drill a 1/2" hole in these locations. Measure straight up 3/4" from the last stock bumper mounting hole. Drill a 1/2" hole at this location. Measure 1 1/4" straight down from the hole in the bumper bracket that only secures the inside bracket to the frame. The other two locations will use the stock holes and mount to the new holes in the frame.

Rear bumper – installation Align the holes in the bumper brackets with the new holes in the frame. Install the rear bumper on the frame using six kit bolts (7/16" x 1 1/2"), six kit washers (7/16" USS), six kit washers (7/16" SAE), and six kit nuts (7/16" nylock <three of each on each side of the vehicle>). Align the bumper in relation to the bed, then tighten all rear bumper fasteners.

Bed spacers Before the bed was lifted, it rested on the frame in two locations (four locations on long bed) without any bolts below the bed crosschannel support(s). Tack-weld the kit bed spacers (square metal tubes) to the frame in these locations.

Battery cables Connect the battery cables to the battery. Be sure to connect the positive cable first, then the negative cable.

Airbag fuse Install the airbag fuse.

⚠CAUTION

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

Double-check the vehicle. Check fan to fan shroud clearance. Check for any wires, hoses, cables, etc that may be binding and were missed earlier in the installation. Check the operation of all vehicle electrical

systems. Start the vehicle. Listen for any unusual noises. If you do notice any, shut off the vehicle immediately and find the cause. Be sure that the problem is solved before test driving the vehicle. Check the brake system operation. Check the steering. Be sure that there is no binding. Check the clutch. Test drive in all gears and 4WD ranges. Pay close attention to all vehicle systems. Double-check all mounting hardware 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

Performance Accessories 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. For recommended tire sizes and warnings related to the use of oversized tires, refer to the vehicle owner's manual. 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.

Rev. 02, Copyright 11/04 Performance Automotive Group

Kit Parts List

All Kits

1	Bolt , 1/4" x 1"
1	Bolt , 3/8" x 1 1/4" socket head
8	Bolt , 7/16" x 1 1/2"
1	Bracket , "L"-shaped
1	Bracket , front bumper main, left
1	Bracket , front bumper main, right
2	Bracket , front bumper, outer support
2	Hose clamp , #10
2	Hose clamp , #28
1	Hose , 3/8" x 11"
1	Hose , 3/4" x 11"
4	Nut , 1/4" Nylock
8	Nut , 7/16" Nylock
1	Pipe , 1 3/4" x 4"
1	Steering extension
5	Washer , 1/4" SAE
8	Washer , 10mm x 30mm fender
6	Washer , 7/16" SAE
18	Washer , 7/16" USS

662, 60012

4	Bed spacer , 2" height (square metal tube)
2	Block , 2" height x 2" diameter
14	Block , 2" heightx 3" diameter
8	Bolt , 10mm x 80mm
8	Bolt , 12mm x 160mm
3	Bracket , flat, 2" hole-to-hole
1	Pin , 1/2" x 2"
1	Pin , 3/8" x 2"

663, 60013

4 **Bed spacer**, 3" height (square metal tube)
2 **Block**, 3" height x 2" diameter
14 **Block**, 3" height x 3" diameter
8 **Bolt**, 10mm x 100mm
8 **Bolt**, 12mm x 180mm
3 **Bracket**, flat, 3" hole-to-hole
1 **Pin**, 3/8" x 3"
1 **Pin**, 5/8" x 3"

60063, 60073

4 **Bed spacer**, 3" height (square metal tube)
2 **Block**, 3" height x 2" diameter
14 **Block**, 3" height x 3" diameter
8 **Bolt**, 10mm x 100mm
8 **Bolt**, 12mm x 180mm
3 **Bolt**, 5/16" x 1 1/4"
1 **Bracket**, automatic transmission pivot
3 **Bracket**, flat, 3" hole-to-hole
3 **Nut**, 5/16"
1 **Pin**, 3/8" x 3"
1 **Pin**, 5/8" x 3"
6 **Washer**, 5/16" USS