



3651 N Highway 89 • Chino Valley, AZ 86323
(928) 636-7080

FORD EXPLORER & MAZDA NAVAJO BODY LIFT KIT INSTALLATION INSTRUCTIONS

1990-1994 2" KIT# 792
1990-1994 3" KIT# 793

⚠ WARNING

Installation of a Performance Automotive Group body lift kit will change the vehicle's center of gravity and handling characteristics both on- and off-road. You must drive the vehicle 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

Before you install this kit, read and understand all instructions, warnings, cautions, and notes in this instruction sheet and in the vehicle owner's manual.

⚠ CAUTION

Proper installation of this kit requires knowledge of the factory recommended procedures for removal and installation of original equipment components. We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle. We strongly recommend that a certified mechanic familiar with the installation of similar components install this kit.

⚠ WARNING

DO NOT combine suspension, body, or other lift devices. Use of vehicle with combined lifts may result in unsafe and/or unexpected handling characteristics.

⚠ WARNING

This kit should only be installed on a vehicle that is in good working condition. Before you install the kit, thoroughly inspect the vehicle for corrosion or deformation of the sheet metal around the factory body mounts. If the vehicle is suspected to have been in a collision or misused, do not install this kit. Off-road use of your vehicle with this kit installed may increase the stress applied to the factory body mounts. We do not recommend that any vehicle with a body lift kit 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 and municipalities have laws restricting bumper heights and vehicle lifts. Consult state and local laws to determine if the changes you intend to make to the vehicle comply with the law.

⚠ WARNING

The installation of larger tires may reduce the effectiveness of the braking system.

⚠ WARNING

Always wear eye protection when operating power tools.

⚠ WARNING

Before you install this kit, block the vehicle tires to prevent the vehicle from rolling.

⚠ NOTE

Performance Automotive Group recommends using the Loctite® supplied in the kit on the threads of all kit nuts and bolts unless specified otherwise in these instructions.

Before Starting Installation

NOTE

Kit parts are prefaced by the word kit and appear in **bold** print.

1. Carefully read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list at the end of this document.

NOTE

If parts are missing from kit, please be prepared to provide the following information:

1. **Name** of purchase location
2. **Bar Code** on side of box
3. **Date** above bar code
4. **Date** inside box cover
5. **Inspector #** from inside box cover

3. **Only install this kit on the vehicle for which it is specified.** If anytime during the installation you encounter something different from what is outlined in the instructions, call technical support at (928) 636-7080.
4. Special tools needed:
 - a. Die grinder or similar tool capable of cutting metal.
5. Aftermarket shift boot is needed to complete install on manual transmission. Shift boot is not included in kit.
6. Park vehicle on a clean, dry, flat, level surface and block tires so vehicle cannot roll in either direction.

Engine Compartment

1. Disconnect both battery cables. Disconnect negative cable first, then positive cable.

Prepare to Install Kit

Measurements

1. Measure and record distance between front bumper and fenders.

Driver Side ____ Passenger Side ____

2. Measure and record distance between rear bumper and bed

Driver Side ____ Passenger Side ____

3. Measure and record distance between cab and bed.

Driver Side ____ Passenger Side ____

Front of Vehicle

1. Remove front bumper.

NOTE

Disconnect any wires necessary and make wiring diagram to reference during install if needed.

Rear of Vehicle

1. Remove rear bumper.

NOTE

Disconnect any wires necessary and make wiring diagram to reference during install if needed.

Underside of Vehicle

⚠WARNING

Be sure wheels are properly blocked.

1. Disconnect parking brake.
 - a. Release parking brake.
 - b. Remove front parking brake cable from bracket that splits to both rear wheels.
 - c. Pull front cable and rear cable together.

NOTE

Front cable will slide out of bracket.

- d. Remove parking brake cable from frame mount under driver's side front door.
2. Remove transfer case shift cable and auto transmission shift cable bracket located under vehicle on driver's side floorboard left of transmission.

Engine Compartment

1. Remove fan shroud.
 - a. Remove upper fan shroud mounting bolts.
 - b. Remove fan shroud from lower fan mounting clips.
 - c. Let shroud lay over on fan and engine.
2. Remove all wiring, hoses, cables, etc. from their mounting clips on the firewall.
3. Disconnect steering shaft.
 - a. Mark upper steering shaft where it connects to the lower steering shaft near firewall.
 - b. Remove bolt connecting two shafts.
 - c. Slide lower steering shaft down off upper steering shaft.
4. Remove wiring harness connectors from mounting points on driver's side fenderwell. There should be five.

NOTE

Following step is for auto transmission only.

5. Loosen bracket holding transmission cooling lines at front of radiator to allow for flex while lifting.
6. Loosen two body mounting bolts located at very front of vehicle on each side of radiator.

Inside of Vehicle

1. Access body mounting bolts.
 - a. Remove door jamb kick plate mounting screws and remove kick plates.

NOTE

Front and rear doors if equipped along with rear hatch.

- b. Pull carpet back to gain access to body mounting bolts.

- c. Remove access covers over body mounting bolts.

NOTE

Eight mounting bolts inside cab. Located at front floorboard, rear floorboard behind front seat, front of rear deck behind rear seat, and rear of rear deck at very back of vehicle.

2. Loosen all 8 body mounts inside cab.

Install Kit

Cab

1. Install *kit* **body mount blocks**.
 - a. Remove body mount bolts from passenger side of vehicle only.
 - b. Using hydraulic floor jack and wooden block, slowly raise passenger side of vehicle.

NOTE

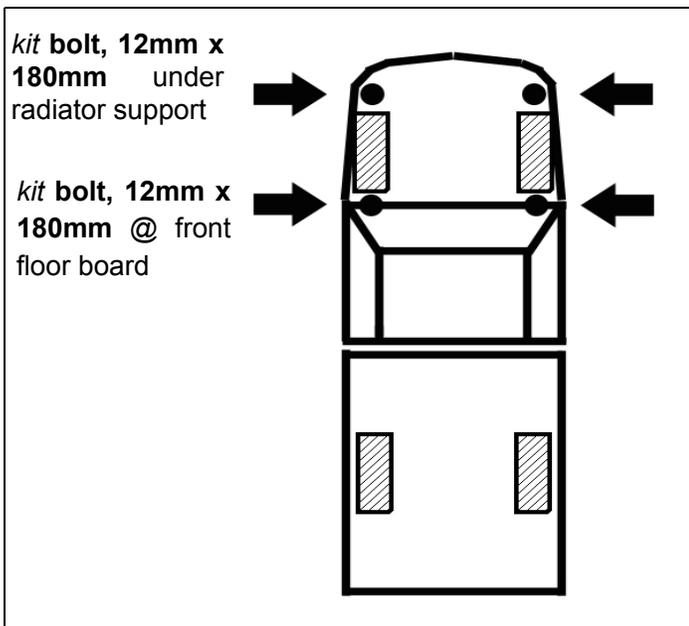
Check for any wires, hoses, cables, etc. that may bind while lifting body.

- c. Remove front bushing and sleeve from vehicle.
- d. Drill out threads on sleeve using 1/2" drill bit.
- e. Replace bushing and sleeve on front frame mount.
- f. Raise vehicle just high enough to place blocks on mounting pads.
- g. Install *kit* **body mount blocks** on each pad.

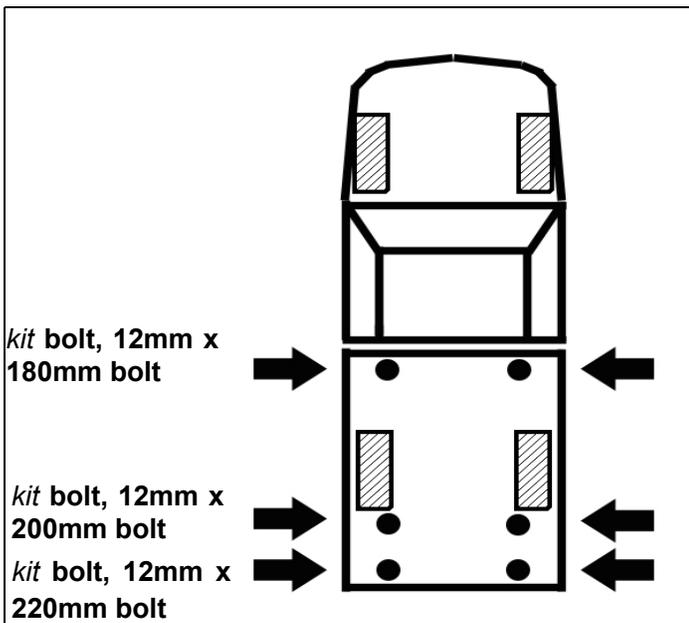
NOTE

Use OE nuts and washers removed with new *kit* **bolts** provided for body mount locations.

- h. Install **kit 12mm x 180mm bolts** in front radiator support mount and under front floor board in cab. Do not tighten any of these mounting bolts at this time.



- i. Install **kit 12mm x 180mm bolts** in rear floor board behind front seat.
- j. Install **kit 12mm x 200mm bolts** in front of rear deck.
- k. Install **kit 12mm x 220mm bolts** in very back of rear deck.



2. Repeat previous step on opposite side of vehicle. Tighten all **kit body mount bolts** at this time.

Rear of Vehicle

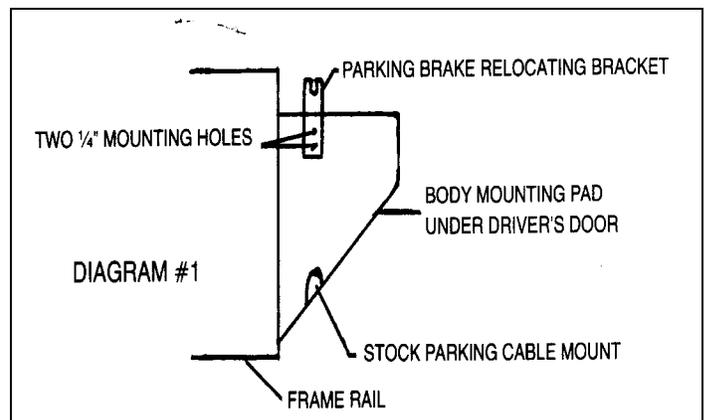
1. 2" kit only: Reinstall rear bumper and stock bumper brackets to frame. Adjust bumpers as necessary and tighten securely.
2. 3" kit only: Install rear bumper.
 - a. Install **kit rear bumper brackets** to frame using stock bolts and hardware.
 - b. Loosen stock bumper brackets so bumper can be adjusted after mounting.
 - c. Mount stock bumper brackets to **kit bumper brackets** using **7/16" x 1-1/2" bolts & hardware**.
 - d. Adjust bumper as needed and tighten securely.

WARNING

The bumper brackets provided in this kit are for appearance only and are not meant to support any weight or pressure other than that of the bumper itself; nor are they meant to tow any trailer or any other vehicle. Any attempt to tow with or stand on the bumper can result in vehicle damage and/or personal injury.

Underside of Vehicle

1. Connect parking brake.
 - a. Install **kit parking brake relocating bracket**.
 - b. Drill two 1/4" holes approximately 5/8" apart in the front on the body mounting pad under driver's front door.



- c. Mount *kit parking brake relocating bracket* to body mount pad using two **1/4" x 1" bolts & hardware**.
- d. Install parking brake cable to relocating bracket.
- e. Reconnect front parking brake cable to rear parking brake cable by pulling both cables together and sliding front parking brake cable into bracket.
- f. Adjust as necessary.

- 2. Install transfer case and transmission cable bracket to bottom of floor where removed from during disassembly. Tighten securely and reconnect transfer case wiring to bracket at rear of transfer case.

Inside of Vehicle

- 1. Manual transmission only: Clearance floor board for shifter.
 - a. Remove stock shift boot.
 - b. Notch floor board back far enough to gain complete engagement in all gears and 4WD.

NOTE
Stock shift boot must be replaced with aftermarket shift boot not included in kit. There will be a small section in front of shifter where a new piece of carpet will need to be installed.

- c. Install new shift boot and check operation in all gears.
- 2. Reinstall all body mounting bolt access covers.
- 3. Replace carpeting and reinstall kick plates.

Engine Compartment

- 1. Install fan shroud.
 - a. Install *kit upper fan shroud drop brackets* to radiator using stock bolts.

- b. Install *kit lower shroud support bracket* to front center of core support.

NOTE
Automatic transmission should have a bracket for transmission cooling lines in this location. On manual transmission models use *kit 5/16" x 1" bolt & hardware* to mount bracket.

- c. Drill 5/16" hole in bottom flange of fan shroud.
- d. Mount fan shroud to *kit lower fan shroud bracket* using **5/16" x 1" bolt & hardware**.
- e. Mount fan shroud to *kit upper fan shroud drop down brackets* using **1/4" washer and nylock** to stud on **upper fan shroud drop down bracket**.
- f. Check fan to fan shroud clearance to be sure fan can not make contact with fan shroud.
- g. Tighten all fan shroud mounting hardware.

- 2. Connect steering shaft.

NOTE
Use loctite on all steering hardware.

- a. Install *kit steering extension* into upper steering shaft.
- b. Line up hole in *kit steering extension* with hole in upper shaft.
- c. Install *kit 3/8" x 1-1/2" bolt & washer* through upper hole in **steering extension**.
- d. Install *kit 3/8" washer & nylock nut* on **bolt** but do not tighten at this time.
- e. Install lower steering shaft coupler onto *kit steering extension* making sure to line up marks made earlier during disassembly.
- f. Install stock bolt through lower steering coupler and *kit steering extension*.
- g. Torque both bolts.

3. Reattach all hoses, wires, cables, etc. to clips removed from firewall and driver's side fender well during disassembly.

Front of Vehicle

1. 2" kit only: Reinstall front bumper and stock bumper brackets to frame. Adjust bumpers as necessary and tighten securely.
2. 3" kit only: Install front bumper.
 - a. Install **kit front bumper brackets** to frame using stock bolts and hardware.
 - b. Loosen stock bumper brackets so bumper can be adjusted after mounting.
 - c. Mount stock bumper brackets to **kit bumper brackets** using **7/16" x 1-1/2" bolts & hardware**.
3. Adjust bumper as needed and tighten securely.

After Completing Installation

Engine Compartment

1. Connect both battery cables. Connect positive cable first, then negative cable.

Miscellaneous

1. Apply **kit label** (warning) to dashboard in plain sight of all vehicle occupants.
2. Check all fasteners to ensure they are tight.
3. Adjust headlights.
4. Ensure all wires, hoses, cables, etc. are properly connected and there is ample slack.
5. Start engine and top off cooling system. Purge air from cooling system according to manufacturer's instructions. Install radiator cap.

Dynamic Vehicle Check

1. Check steering in both directions to ensure that there is no bind. Check operation of clutch, brake system, and parking brake. Check operation of transmission and transfer case. Ensure there is full engagement in all gears and 4WD ranges. Check battery connections and electrical component operations. Test-drive vehicle.
2. Steering bind fix.
 - a. Locate mounting flange for steering column under dash.
 - b. Unbolt flange from firewall.
 - c. Drill out holes in flange toward top as far as possible.
 - d. Pull steering column down as far as possible.
 - e. Reinstall all bolts and tighten.

⚠WARNING

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

⚠CAUTION

Performance Automotive Group does not recommend any particular wheel and tire combinations for use with its body lifts and cannot assume responsibility for the customer's choice of wheels and tires. Refer to your owner's manual 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 an experienced local off road shop to find what wheel and tire combinations work best with your vehicle.

NOTE

All warranty information, instruction sheets, and other documents regarding the installation of this product must be retained by the vehicle owner. 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 made to the vehicle and how they affect vehicle handling and performance. Failure to provide the customer with this information can result in damage to the vehicle and severe personal injury.

Kit Parts List

Qty. Description

Kit 792 & 793

10 **Body Mount Blocks**
1 **Lower Fan Shroud Support**
1 **Steering Extension**
2 **Washer (3/8")**
1 **Nut, Nylock (3/8")**
2 **Bolt (5/16" x 1")**
4 **Washer (5/16")**
2 **Nut, Nylock (5/16")**
2 **Fan Shroud Drop Bracket**
2 **Washer (1/4")**
2 **Nut, Nylock (1/4")**

Kit 792

6 **Bolt (12mm x 160mm)**
2 **Bolt (12mm x 180mm)**
2 **Bolt (12mm x 200mm)**
10 **Washer, USS (7/16")**

Kit 793

6 **Bolt (12mm x 180mm)**
2 **Bolt (12mm x 200mm)**
2 **Bolt (12mm x 220mm)**
26 **Washer, USS (7/16")**
4 **Bumper Bracket**
8 **Bolt (7/16" x 1-1/2")**
8 **Nut, Nylock (7/16")**

NOTE

Depending on the vehicle configuration (automatic or manual transmission, 2WD or 4WD, cab length, bed length, etc.), some parts may not be used.

Rev. 1, Copyright 06/05
Performance Automotive Group