



## 1986-95 JEEP WRANGLER

### BODY LIFT

## INSTALLATION INSTRUCTIONS

<b>Automatic Transmisson</b>	<b>2" Lift</b>	<b>932A</b>
	<b>3" Lift</b>	<b>933A</b>
<b>Manual Transmission</b>	<b>2" Lift</b>	<b>(1) 932</b>
	<b>3" Lift</b>	<b>(2) 933</b>

- (1) Kit 932 can be installed on a vehicle with automatic transmission, but installation requires Kit 932APK (sold separately).
- (2) Kit 933 can be installed on a vehicle with automatic transmission, but installation requires Kit 933APK (sold separately).

#### **⚠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.

#### **⚠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 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.

1. Carefully read all warnings and instructions completely before beginning.

**△ NOTE**

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

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.**

4. Special tools needed:

- a. Welder or access to a professional welding shop.

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

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

7. **“Jeep cover”:** Remove the plastic “Jeep” cover from the frame in front of the grille.

8. **Automatic transmission:** Loosen the lock nut securing the 4WD shift knob. Remove the 4WD shift knob. Remove the shift boot mounting screws. Carefully remove the shift boot from the shift lever.

9. **Manual transmission:** Loosen the lock nut securing the transmission shift knob. Remove the transmission shift knob. Loosen the lock nut securing the 4WD shift knob. Remove the 4WD shift knob. Remove the shift boot mounting screws. Carefully remove the shift boot from the shift levers.

10. **Air intake duct:** Remove the air intake duct from the core support. Remove the top screw and gently pull up and out away from the core support.

**NOTE:** On vehicles with power steering, it may be necessary to remove the power steering reservoir from the core support.

11. **Radiator:** Remove six radiator mounting bolts. (Later, the vent hose will be relocated to the middle radiator mount.) Lift the radiator up to pull the locating tab out of the core support. Gently bend the locating tabs flat.

12. **A/T shift linkage:** Remove the upper linkage rod from the steering column lever. Remove the lower linkage rod from the pivot assembly. Remove the two bolts that mount the pivot assembly to the pivot bracket. Remove the linkage and pivot assembly from the vehicle.

13. **Steering shaft:** Mark the steering shaft where it attaches to the steering gearbox (at the splined shaft) and where it attaches to the column at the fire-wall. This will ensure proper alignment after the lifting operation is complete. Remove the bolt attaching the steering shaft to the gearbox. Remove the bolt attaching the steering shaft to the column at the fire-wall. Remove the steering shaft from the vehicle.

14. **Vacuum hoses:** Disconnect the vacuum hoses that go from the engine to the vacuum canister on the drivers side fender well. One hose will need to be lengthened.

15. **Heat shield:** The heat shield above the muffler will need to be trimmed to allow the exhaust hanger to be lowered. Mark the heat shield along the line of the exhaust hangers. Remove the heat shield mounting screws. Remove the bolts securing the exhaust hangers to the body. Remove exhaust from the rear frame hanger. Remove the heat shield from the vehicle.

**WARNING:** Gasoline is highly flammable and explosive. Use extreme care when working near gasoline.

16. **Fuel filler:** Remove the plastic tabs that hold the fuel filter hose cover over the fuel filler hose. Loosen the hose clamps that attach the fuel filler and the vent hose to the filler neck. The filler hose may need to be adjusted after lifting the bed.

17. **Body mount bolts (loosen):** Loosen, but DO NOT remove, all **11** body mount bolts:

- a. **1** at the front center of the grille
- b. **6** along the frame rail, under the doors (three on each side)
- c. **2** along the frame rail, just behind the rear wheels (one on each side),
- d. **2** on the rear frame rail at the very rear of the vehicle

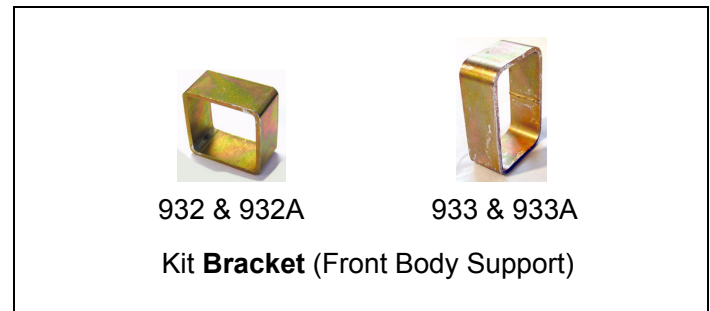
18. **Kit blocks (passenger side):** Remove the body mounting bolts from the passenger side of the vehicle and the front center mount only. Using a hydraulic jack and a wooden block, slowly lift the passenger side of the vehicle just high enough to place the kit **blocks** on the frame mounts, constantly checking to ensure wires, hoses, cables, etc. are not binding. Install the 3" diameter kit **blocks** on the frame rail mounts under the doors (three on each side of the vehicle). Install the 2" diameter kit **blocks** on the other mounts (except the front center mount; it is not possible to place a kit **block** under the front center mount until the driver side of the vehicle has been lifted).

19. **Kit bolts (passenger side):** Install the kit **bolts** and the stock body mount bushings as follows (DO NOT tighten):

- along the frame rail, under the doors:  
**1/2" x 6 1/2"** (5 1/2" for 2" lift)
- along the frame rail, behind the rear wheels:  
**7/16" x 5 1/2"** (4 1/2" for 2" lift)
- two rear mounts:  
**7/16" x 5 1/2"** (4 1/2" for 2" lift)

20. **Kit blocks and bolts (driver side):** Repeat the previous steps to install the kit **blocks** and kit **bolts** on the driver side of the vehicle. Also, install a kit **block** and kit **bolt** (**7/16" x 5 1/2"** <4 1/2" for 2" lift>) at the front center mount.

21. **Kit brackets near grille:** Tack-weld two kit **brackets** (front body support) onto the frame below the rubber pad on each side of the grille. A certified welder should perform all welding. If desired, paint the kit **brackets** to prevent rust.

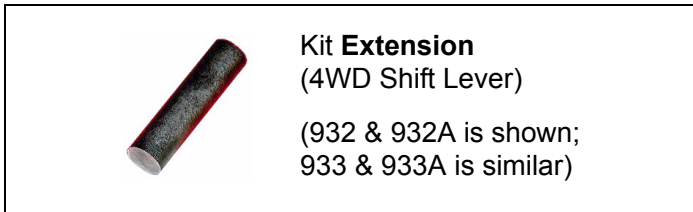


22. **Kit bolts (tighten):** Remove each kit **bolt** one at a time, apply Loctite® to the threads, install it, and tighten it according to the vehicle manufacturer's specification.

**WARNING:** The steering shaft contains two spring clips (a small one and a large one) that are shaped like leaf springs. These spring clips maintain tension between both halves of the steering shaft. To prevent the shaft from fully separating, be sure that the large spring clip remains in the original position and that the shaft is not extended far enough to expose the large spring clip.

23. **Steering shaft:** Slide the rubber grommet down, away from the slip joint. Extend the steering shaft until the small spring clip is exposed. (If necessary, secure one end of the steering shaft in a vice and pull hard on the other end.) Remove the small spring clip. Slide the rubber grommet back to its original position. Install the steering shaft, ensuring the marks made earlier are aligned. Apply Loctite® to the threads of both steering shaft mounting bolts. Install steering shaft mounting bolts. Tighten bolts to the manufacturer's specification.

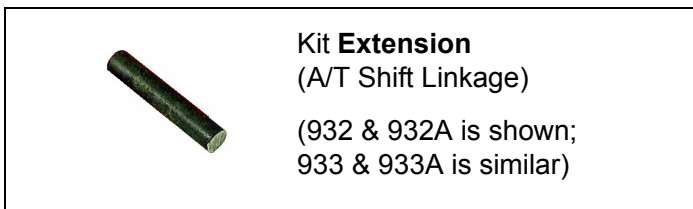
24. **4WD shift lever:** Remove the spring clips that attach the shift lever to the transfer case. Remove the shift lever from the vehicle. Scribe a line along the axis of the shift lever, just below the bend. (Later, before welding, this line will be used to ensure the pieces of the shift lever are oriented correctly.) Cut the shift lever through the scribed line. Weld the kit **extension** (4WD shift lever) between the two pieces, ensuring the scribed lines are aligned. A certified welder should perform all welding. If desired, paint the shift lever to prevent rust. Shift the transfer case into all ranges. If the shift lever contacts the floor, heat and bend the shift lever and/or notch the floor.



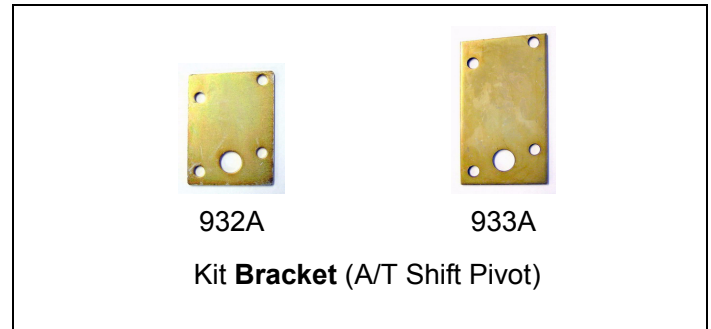
25. **Manual transmission:** Shift the transmission into all gears. If the shift lever contacts the floor, heat and bend the shift lever and/or notch the floor.

26. **Shift lever boots:** If an inner boot was removed, do not install it. Install shift boot mounting screws. Check the operation of both shift levers again. If necessary, trim the shift boot housing. Install both gear-shift knobs and the lock nuts.

27. **A/T upper shift linkage rod:** Scribe a line along a straight part of the upper shift linkage rod. Cut the rod in half through the scribed line. Weld the kit **extension** (A/T shift linkage) between the halves of the rod, ensuring the scribed lines are aligned. If desired, paint the rod to prevent rust.



28. **A/T shift pivot:** Install kit **bracket** (A/T shift pivot) on the stock pivot bracket using the stock fasteners. Install the pivot assembly and linkage in the vehicle. Install the pivot assembly into the stock engine-mounted pivot bracket and the kit **bracket**. Attach the pivot assembly to the kit **bracket** using two kit **bolts** (1/4 x 1"), four kit **washers** (1/4" SAE), and two kit **nuts** (1/4" nylock). DO NOT tighten. Connect the lower end of the shift linkage rod to the pivot assembly. Connect the upper end to the steering column lever. Tighten the pivot assembly mounting bolts.



**NOTE:** In the following step, it may be necessary to install the kit **brackets** on the core support via the studs protruding from the brackets (in other words, opposite of the way specified).

29. **Radiator:** Install six kit **brackets** (radiator) on the core support using the stock bolts. DO NOT tighten. Install the radiator on the 1/4" studs protruding from the kit **brackets**. At each stud, install one kit **washer** (1/4" SAE) and one kit **nut** (1/4" nylock). DO NOT tighten. Adjust clearance between the fan and fan shroud. Install the vent hose to the middle radiator mount. Tighten the radiator mounting bolts. If the power steering reservoir was removed, install the reservoir on the core support. Install the air intake duct on the core support.



30. **Vacuum hoses:** Connect the vacuum hoses to the vacuum canister. If a hose is too short, replace it or extend it with the kit **hose** (1/4").

31. **Exhaust heat shield:** Trim the exhaust heat shield according to the marks made earlier. Drill exhaust hanger mounting holes (in the body) to 5/16". Install the kit **brackets** (exhaust hanger) to the original holes (the ones that were just drilled) using two kit **bolts** (5/16" x 2 3/4"), four kit **washers** (5/16"), and two kit **nuts** (5/16" nylock). DO NOT tighten. Install the heat shield on the body. Tighten all mounting screws securely. Install the exhaust hanger on the kit **brackets** using four kit **bolts** (1/4" x 1"), eight kit **washers** (1/4" SAE), and four kit **nuts** (1/4" nylock). Install the exhaust on the rear frame hanger. Tighten all exhaust hardware.



Kit **Bracket**  
(Exhaust Hanger)

32. **Parking brake cable:** Bend the parking brake cable bracket that is over the rear differential straight up and down.

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33. **Fuel filler:** Adjust the fuel filler hose as necessary. Tighten both hose clamps securely. Install the cover over the fuel filler hose. It may not be possible to engage all of the plastic tabs without binding the filler hose; engage as many tabs as possible.
34. **"Jeep" cover:** Install the plastic "Jeep" cover on the front of the vehicle.
35. **Battery cables:** Connect both battery cables. Be sure to connect the positive cable, then the negative.
36. **Static vehicle check:** Place the warning label (sticker) on the dash in plain sight of all vehicle occupants. Check the operation of the transmission and transfer case. Be sure that there is complete engagement in all gears and 4WD ranges. Be sure that the fan cannot contact the fan shroud. Check again for any binding wires, cables, hoses, etc. Check steering operation. Turn the steering wheel from side to side. Be sure that there is no binding.
37. **Dynamic vehicle check:** Drive vehicle in all gears and 4WD ranges. Check operation of all vehicle systems (brakes, steering, clutch, etc.). Double-check all hardware and all vehicle systems again in 500 miles and as part of your regular maintenance schedule.

## Accessories

The following accessories are also available:

- 82095:** Sport Cage  
**83095:** Rock Slider Front Bumper  
**83096:** Rock Slider Front Bumper w/ Grille Guard  
**83100:** Rock Slider Rear Bumper  
**84095:** Rock Slider Side Bars  
**85095:** Swing-Away Tire/Can Carrier  
**86095:** Swing-Away Tire Carrier  
**87003:** Streamer Bar (for Sport Cage)  
**87009:** Dash Bar (for Sport Cage)  
**87011:** Multi-Light Mount (for Rock Slider Front Bumper)  
**87012:** Bolt Plate Adapter (for Tire- & Tire/Can Carriers)  
**87013:** Non-Lip Fuel Can Adapter (for Tire/Can Carrier)  
**87269:** Cargo Box (for Tire/Can Carrier)

## Parts List

### 932

<u>Qty.</u>	<u>Description</u>
5	<b>Block</b> , 2" height x 2" diameter
6	<b>Block</b> , 2" height x 3" diameter
4	<b>Bolt</b> , 1/4" x 1"
2	<b>Bolt</b> , 5/16" x 2 3/4"
5	<b>Bolt</b> , 7/16" x 4 1/2"
6	<b>Bolt</b> , 1/2" x 5 1/2"
4	<b>Bracket</b> , exhaust hanger
2	<b>Bracket</b> , front body support
6	<b>Bracket</b> , radiator
1	<b>Extension</b> , 4WD shift lever
1	<b>Hose</b> , 1/4" x 6"
10	<b>Nut</b> , 1/4" Nylock
2	<b>Nut</b> , 5/16" Nylock
14	<b>Washer</b> , 1/4" SAE
4	<b>Washer</b> , 5/16" SAE

### 932A

<u>Qty.</u>	<u>Description</u>
5	<b>Block</b> , 2" height x 2" diameter
6	<b>Block</b> , 2" height x 3" diameter
6	<b>Bolt</b> , 1/4" x 1"
2	<b>Bolt</b> , 5/16" x 2 3/4"
5	<b>Bolt</b> , 7/16" x 4 1/2"
6	<b>Bolt</b> , 1/2" x 5 1/2"
1	<b>Bracket</b> , A/T shift pivot
4	<b>Bracket</b> , exhaust hanger
2	<b>Bracket</b> , front body support
6	<b>Bracket</b> , radiator
1	<b>Extension</b> , 4WD shift lever
1	<b>Extension</b> , A/T shift linkage
1	<b>Hose</b> , 1/4" x 6"
12	<b>Nut</b> , 1/4" Nylock
2	<b>Nut</b> , 5/16" Nylock
18	<b>Washer</b> , 1/4" SAE
4	<b>Washer</b> , 5/16" SAE

### 933

<u>Qty.</u>	<u>Description</u>
5	<b>Block</b> , 3" height x 2" diameter
6	<b>Block</b> , 3" height x 3" diameter
4	<b>Bolt</b> , 1/4" x 1"
2	<b>Bolt</b> , 5/16" x 2 3/4"
5	<b>Bolt</b> , 7/16" x 5 1/2"
6	<b>Bolt</b> , 1/2" x 6 1/2"
4	<b>Bracket</b> , exhaust hanger
2	<b>Bracket</b> , front body support
6	<b>Bracket</b> , radiator
1	<b>Extension</b> , 4WD shift lever
1	<b>Hose</b> , 1/4" x 6"
10	<b>Nut</b> , 1/4" Nylock
2	<b>Nut</b> , 5/16" Nylock
14	<b>Washer</b> , 1/4" SAE
4	<b>Washer</b> , 5/16" SAE

### 933A

<u>Qty.</u>	<u>Description</u>
5	<b>Block</b> , 3" height x 2" diameter
6	<b>Block</b> , 3" height x 3" diameter
6	<b>Bolt</b> , 1/4" x 1"
2	<b>Bolt</b> , 5/16" x 2 3/4"
5	<b>Bolt</b> , 7/16" x 5 1/2"
6	<b>Bolt</b> , 1/2" x 6 1/2"
1	<b>Bracket</b> , A/T shift pivot
4	<b>Bracket</b> , exhaust hanger
2	<b>Bracket</b> , front body support
6	<b>Bracket</b> , radiator
1	<b>Extension</b> , 4WD shift lever
1	<b>Extension</b> , A/T shift linkage
1	<b>Hose</b> , 1/4" x 6"
12	<b>Nut</b> , 1/4" Nylock
2	<b>Nut</b> , 5/16" Nylock
18	<b>Washer</b> , 1/4" SAE
4	<b>Washer</b> , 5/16" SAE



**Bracket, A/T shift pivot (932A)**



**Bracket, A/T shift pivot (933A)**



**Bracket, exhaust hanger**



**Bracket, front body support  
(932 & 932A)**



**Bracket, front body support  
(933 & 933A)**



**Extension, 4WD shift lever  
(1/2" x 2")  
(932 is shown; 933 is similar)**



**Extension, A/T shift linkage  
(3/8" x 2")  
(932A is shown; 933A is similar)**



**Bracket, radiator (932 & 932A)**



**Bracket, radiator (933 & 933A)**