



#J9121 Installation Instructions 1987-1995 Jeep Wrangler YJ 1.25" Body Lift

Read and understand all instructions and warnings prior to installation of product and operation of vehicle.

Zone Offroad Products recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/ reassembly procedures and post installation checks must be known. Minimum tool requirements include the following: Assorted metric and standard wrenches, hammer, hydraulic floor jack and a set of jack stands. See the "Special Tools Required" section for additional tools needed to complete this installation properly and safely.

» **PRODUCT SAFETY WARNING**

Certain Zone Suspension Products are intended to improve off-road performance. Modifying your vehicle for off-road use may result in the vehicle handling differently than a factory equipped vehicle. Extreme care must be used to prevent loss of control or vehicle rollover. Failure to drive your modified vehicle safely may result in serious injury or death. Zone Offroad Products does not recommend the combined use of suspension lifts, body lifts, or other lifting devices.

You should never operate your modified vehicle under the influence of alcohol or drugs. Always drive your modified vehicle at reduced speeds to ensure your ability to control your vehicle under all driving conditions. Always wear your seat belt.

Difficulty Level

easy 1 **2** 3 4 5 difficult

Estimated installation: 1-3 hours

Special Tools Required

None

» **PRE-INSTALLATION NOTES**

1. Special literature required: OE Service Manual for model/year of vehicle. Refer to manual for proper disassembly/reassembly procedures of OE and related components.
2. Adhere to recommendations when replacement fasteners, retainers and keepers are called out in the OE manual.
3. Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.
4. Post suspension system vehicles may experience drive line vibrations. Angles may require tuning, slider on shaft may require replacement, shafts may need to be lengthened or trued, and U-joints may need to be replaced.
5. Secure and properly block vehicle prior to installation of Zone Offroad Products. Always wear safety glasses when using power tools.
6. If installation is to be performed without a hoist, Zone Offroad Products recommends rear alterations first.
7. Due to payload options and initial ride height variances, the amount of lift is a base figure. Final ride height dimensions may vary in accordance to original vehicle attitude. Always measure the attitude prior to beginning installation.

Kit Contents

Qty	Part
11	2" x 2" Body Block
1	Bolt Pack - Body Mounts
2	Grill Support Spacer
6	Radiator Drop Bracket
4	Bolt Pack - Radiator/Shift Linkage
1	Auto Transmission Shift Linkage Bracket



INSTALLATION INSTRUCTIONS

1. Park the vehicle on a clean, flat surface and block the rear wheels for safety.

» DISASSEMBLY

2. Disconnect the battery cables from the battery.
3. Locate and remove the front plastic "Jeep" cover from the frame. There are 4 bolts (2 per side). **Figure 1** Save hardware.

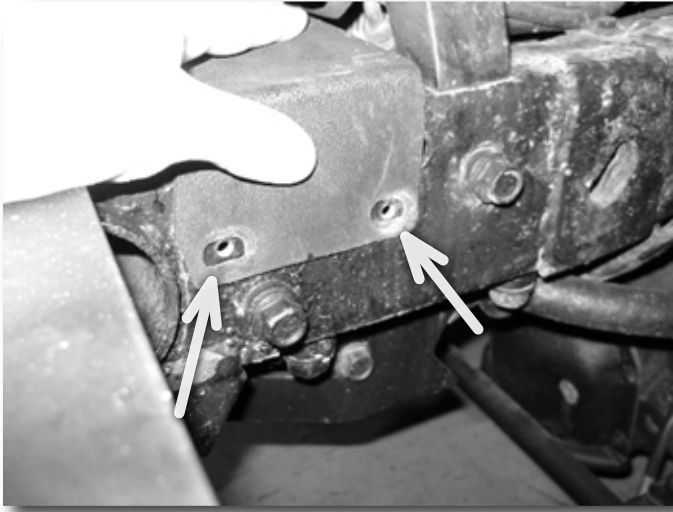


Figure 1

4. Remove the 2 bolts mounting the metal brake line plate to the frame rails (located under the "Jeep" cover). Disconnect the brake line from the plate by removing the plastic retainers. **Figure 2** The mount plate will not be reused. New plastic retainers are provided.

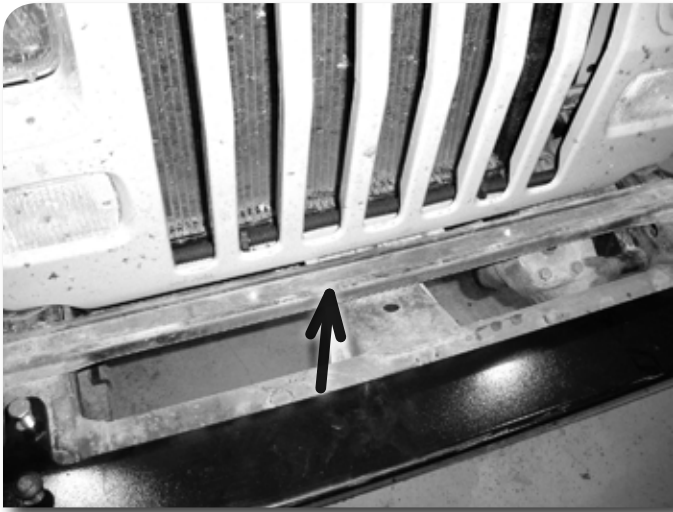


Figure 2

5. Remove the four bolts that mount the fan shroud to the radiator. **Figure 3** Pull the shroud back off of the radiator and let it rest on the fan. Remove the 6 bolts mounting the radiator to the core support. **Figure 3** Allow the radiator to rest against the fan.

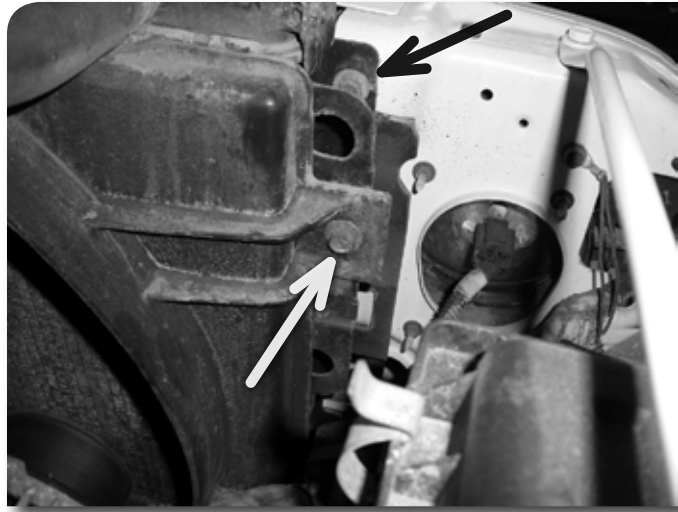


Figure 3

» **AUTOMATIC TRANSMISSION MODELS ONLY**

6. Locate the shift linkage that runs down from the steering column in the engine compartment, near the firewall. The linkage runs into a bell crank and pivot bracket. Remove the two small bolts mounting the pivot bushing to the bracket. **Figure 4** Save hardware.

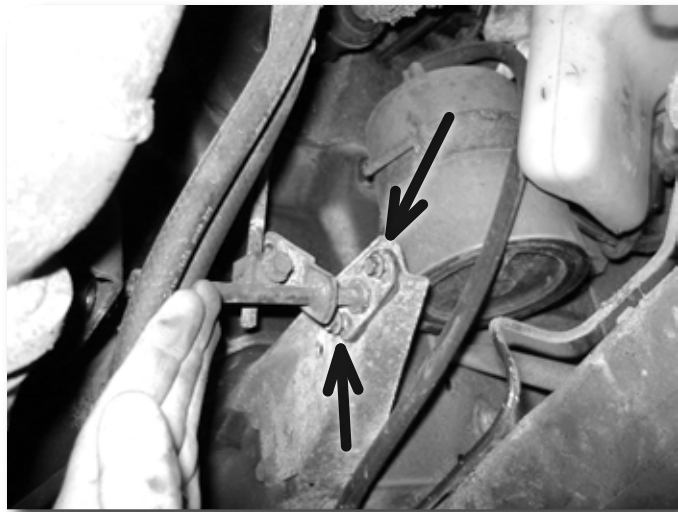


Figure 4

7. Remove the cotter pin from the end of the shift linkage cross shaft that runs from the pivot bushing to the bracket on the engine. Pull the cross shaft out of the bracket on the engine. **Figure 5** Save the cotter pin. The linkage will be modified and reattached after the body is lifted.



Figure 5

» BODY LIFT INSTALL

8. Locate all of the body mounts (11 total) and loose but do not remove all the body mount bolts. The mounts are located as follows: (1) at the front under the middle of the grill, (3) along the outside of each frame rail between the front and rear axles, (1) inside each frame rail located above the rear axle and (1) at the back and outside of each frame rail.
9. Remove the front and passenger's side body bolts (6 total). **Figure 6** Using a hydraulic jack and block of wood, raise the passenger's side just high enough to place the body blocks on the (5) factory passenger's side mounts. The front center spacer will not be installed until after both sides of the vehicle are lifted. Watch for hoses, wires, etc that might be binding or stretching while the body is lifted.

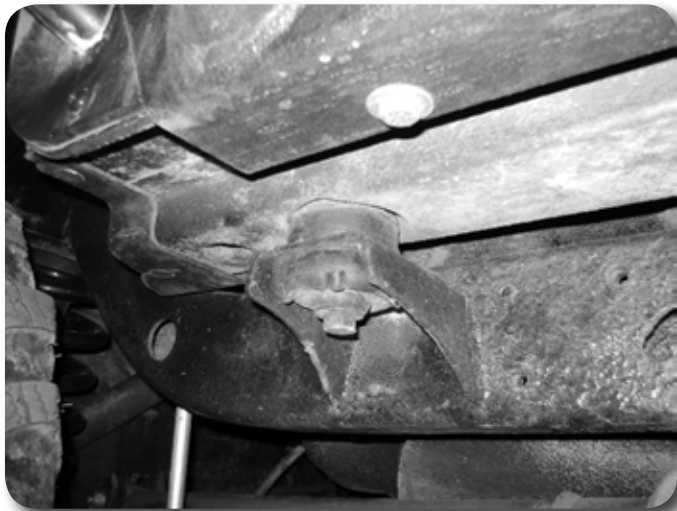


Figure 6

10. With the body blocks in position lower the body to the mounts. Start but do not tighten the new body bolts. **Figure 7** They are installed in the following locations with the factory bushings/washers: 7/16" x 4" with 3/8" USS washers in the mount over the axle and rear mount. 1/2" x 4-1/2" with 7/16" USS washers in the three mounts along the outside of the frame rail between the axles.

Step 9 Note

Important: The steering shaft running from the firewall to the steering box is a slip-style shaft. It should extend slightly when lifting the body. Be sure it is extending while the body is lifted. If it does not extend on its own, the shaft will need to be disconnected and extended manually. Depending on the condition of the vehicle the shaft may be corroded. Step 9 Note

Important: The steering shaft running from the firewall to the steering box is a slip-style shaft. It should extend slightly when lifting the body. Be sure it is extending while the body is lifted. If it does not extend on its own, the shaft will need to be disconnected and extended manually. Depending on the condition of the vehicle the shaft may be corroded.



Figure 7

11. Repeat the installation procedure for the driver's side of the vehicle. Install the front center mount last with a 7/16" x 4" bolt and 3/8" USS washer.
12. Position the provided 1.25" steel radiator support spacers on each frame rail below the factory rubber radiator support bumpers. **Figure 8** Center the spacers under the factory bumpers. Tack weld the spacers to the frame. Weld just enough to keep the spacers in place. Paint any bare metal to prevent corrosion.
13. Check the body for correct alignment on the frame. Torque the 1/2" body mount bolts to 60 ft-lbs and 7/16" hardware to 40 ft-lbs. Use Loctite on all body mounting hardware.



Figure 8

» **AUTOMATIC TRANSMISSION MODELS ONLY**

14. Locate the provided linkage bracket with captive studs. Attach the factory pivot bushing to the studs on the new bracket with the provided 1/4" hardware. **Figure 9** Mount the new bracket to the original shift linkage pivot bushing position with the original bolts. When installed the captive studs/pivot bushing on the bracket will point toward the engine. **Figure 10** Torque the factory and 1/4" hardware to 10 ft-lbs.

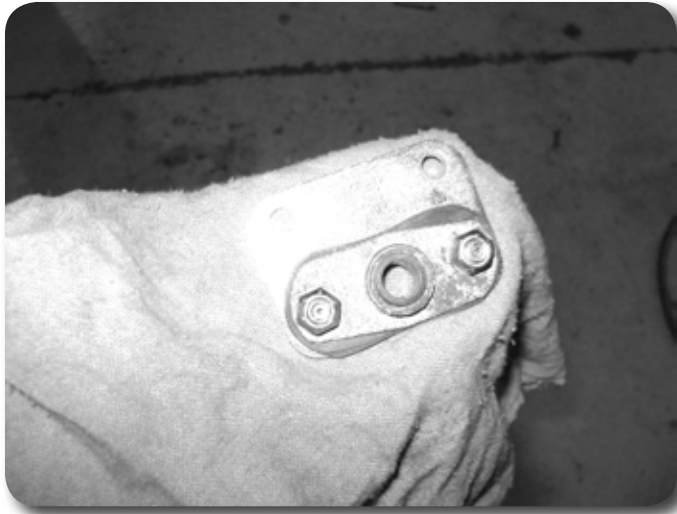


Figure 9



Figure 10

15. Run the factory shift linkage cross shaft back into the relocated pivot bushing and then into the factory bracket on the side of the engine. Fasten the cross shaft at the engine bracket with the original cotter pin.
16. Check the gear shift indicator on the dash. The linkage will need to be adjusted slightly. With the transmission in PARK loosen the adjuster collar bolt on the shift linkage that runs from the steering column. **Figure 11** Slide the adjust down so the indicator lines up with the "P". Tighen the adjuster collar bolt securely.



Figure 11

» RADIATOR RELOCATION

17. Locate the six provided radiator drop brackets. The brackets will have a captive stud and two holes. **Figure 12** Mount the brackets using the middle hole to the six original radiator mounting holes on the core support using the factory hardware. Be sure the brackets are hanging straight (studs toward the bottom) and tighten hardware to 10 ft-lbs.



Figure 12

18. Mount the radiator to the studs on the six new brackets and fasten with the provided 1/4" nuts and washers. **Figure 13** Torque the 1/4" hardware to 10 ft-lbs.
19. Reinstall the fan shroud to the radiator with the original hardware. Tighten bolts securely.



Figure 13

» **FINAL ASSEMBLY**

20. Locate the center grill support bracket at the bottom/center of the grill. Mark and drill a 1/4" hole at each (2) corner of the bracket. Figure 14 These will be the new mounting points for the front brake hardline.

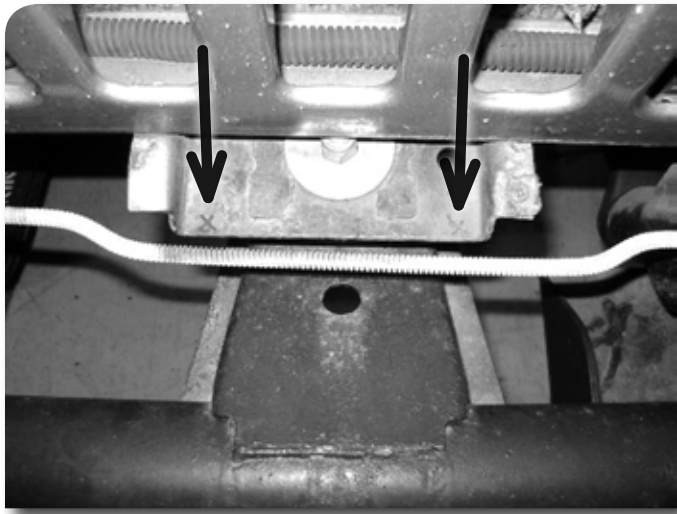


Figure 14

21. Locate the (2) provided mountable plastic wire ties. Attach the brake line to the bottom of the grill support bracket through the new holes with the wire ties. Figure 15 Tighten wire ties securely and trim the excess.

Post-Installation Warnings

1. Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor board and wiring harness. Check steering gear for clearance. Test and inspect brake system.
2. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/replacement may result in component failure. Longer replacement hoses, if needed can be purchased from a local parts supplier.
3. Perform head light check and adjustment.
4. Re-torque all fasteners after 100 miles. Always inspect fasteners and components during routine servicing.

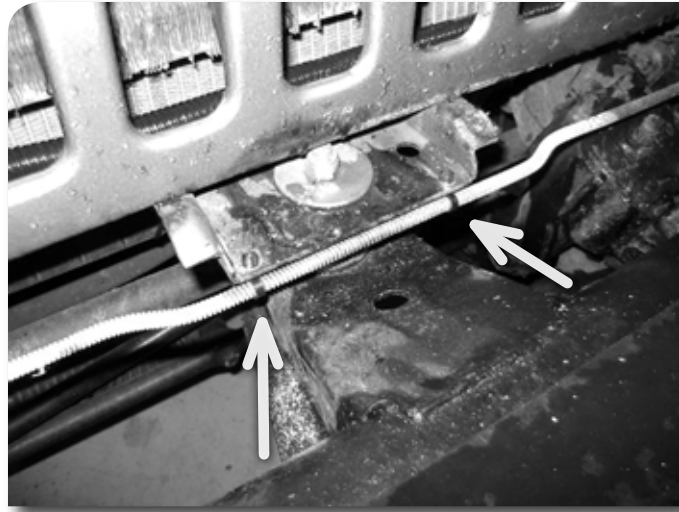


Figure 15

22. Reinstall the "Jeep" front cover with the original bolts. The center of the cover to flex over the grill support bracket slightly in its new, higher position.

»» **POST-INSTALLATION**

1. Check all hardware for proper torque.
2. Check transmission/transfer case operation.
3. Check all wires/hoses to be sure none are over-extended or binding.
4. Check radiator fan shroud to fan clearance.
5. Check all hardware after 500 miles.