



INSTALLATION GUIDE

Installation Guide for the YJ Revolver Z-Box kit Part #001035000 (ZBY)



Z-Box Component List

- 1-Left Z-Box
- 1-Right Z-Box
- 4- 7/16"x3.75" Bolts
- 4- 7/16" Lock Nuts
- 8- 7/16" Flat Washers

Think safety first when installing your new Revolver Z-Boxes. The Revolver Z-Boxes you are about to install were designed specifically for the Jeep YJ.

Note: Installation of this kit requires removing the factory spring mounts. This step is very difficult to reverse. Be sure before proceeding.

WARNING TO DRIVER

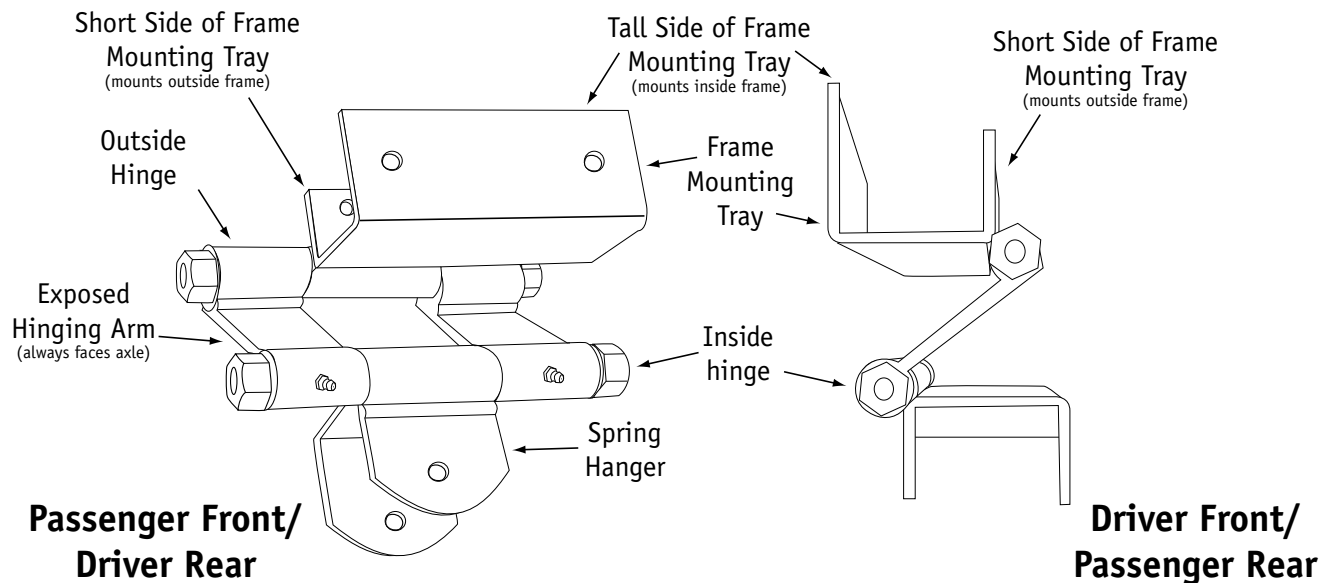
This vehicle has been modified to enhance off-road performance and as a result may handle differently than a factory equipped vehicle, extreme care must be used to prevent loss of control or roll over during sharp turns or abrupt maneuvers. Failure to drive safely may result in serious injury and/or death. Do not drive this vehicle unless you are familiar with its unique handling characteristics and are confident of your ability to maintain control under all driving conditions. please remember to wear your seat belts, reduce speeds, and always drive safely.

TeraFlex, Inc.
5680 W Dannon Way
West Jordan, UT 84081
Phone/801.288.2585
Fax/801.713.2313
www.teraflex.com

Part Identification

Because the same Z-Box parts used on the front axle are also used on the rear axle, it is important to properly identify the left and right for the front and rear applications before starting installation. Figure 1 identifies the basic features of the Z-Box. It should help identify the proper position for mounting the Z-Box.

Z-Box Fig. 1



Note: The same components used for the front can be used on the rear, but they would be used on opposite sides of the vehicle. For example, the Z-Box on the Front Driver's side would also fit the Rear Passenger's side and the Front Passenger's side would fit the Rear Driver's side.

There are two methods for identifying the left side from the right side:

Method 1 - Compare the hinge position to both the frame mounting tray and the spring hanger. The hinge on the frame mounting tray (refer to Figure 1) will always be positioned on the outside of the frame. NO EXCEPTIONS. Likewise, the hinge on the spring hanger is always positioned towards the center of the vehicle.

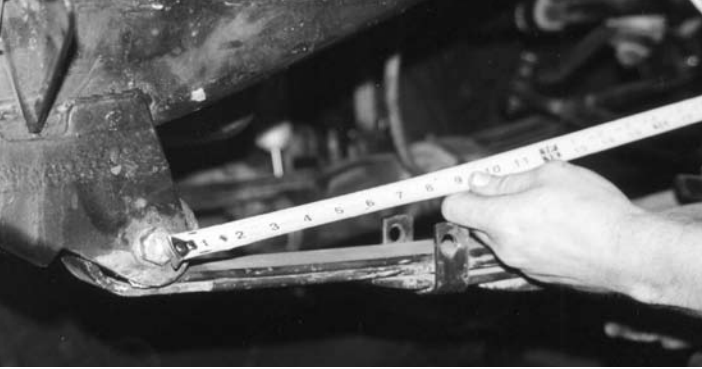
Method 2 - Compare the two sides of the frame mounting tray (refer to Figure 1). Notice that one side of the frame mounting tray is taller than the other. The short side of the mounting tray attaches to the outside of the frame.

Note: When closed, one side of the Z-Box is covered by the frame mounting tray while the other is exposed. (Refer to Figure 2.) The exposed end of the hinging arm ALWAYS points toward the axle.

Installation

Be sure that you are committed to this installation before removing your spring mounts.

1. Measure the distance between the center of the spring mount and a fixed point on the frame. Write this measurement down. You will need it to properly position the Z-Box. We suggest measuring from the shackle mount opposite the spring mount.



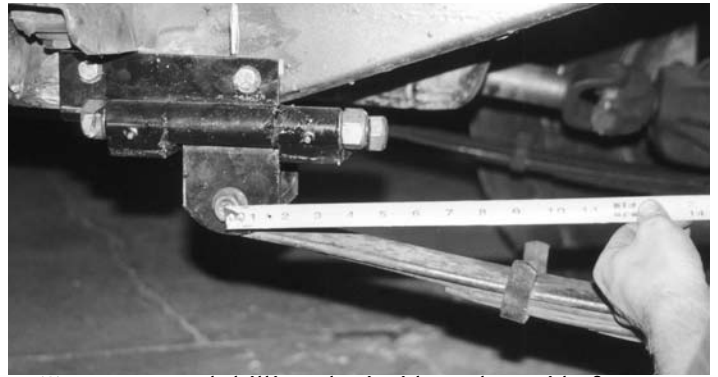
Note: The primary goal is to install the Z-Box in the exact position as the original spring mount to avoid any complications with alignment.

2. Remove (grind, etc.) the factory spring mount from the frame.

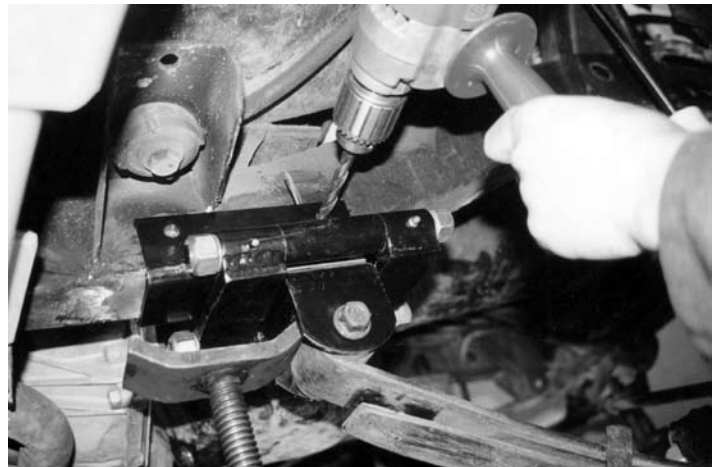
Note: The front side body mounts will need to be trimmed in order to install the Z-Box to the frame. One possible method is shown in the next photograph.



3. Use a floor jack to apply light pressure to the Z-box so that it will stay closed while it is on the frame.
4. Use a hammer to tap the Z-box into proper position. Measure from the same fixed point from Step 1 to the hole of the Z-Box's spring hanger. Adjust as necessary so that your new measurement is the same as the measurement from Step 1.
5. Position the Z-box on the frame so that when it is closed, the Z-box spring mounting location will be positioned exactly where the original spring mount was.
6. Mark the frame through the two 7/16" holes on the outside of the frame tray for later drilling.



7. We recommend drilling the inside and outside frame holes while the Z-Box is secured in place by the jack for proper fit. Please use caution.



8. Mount the Z-Box using two 7/16" x 3-3/4" bolts and nuts.

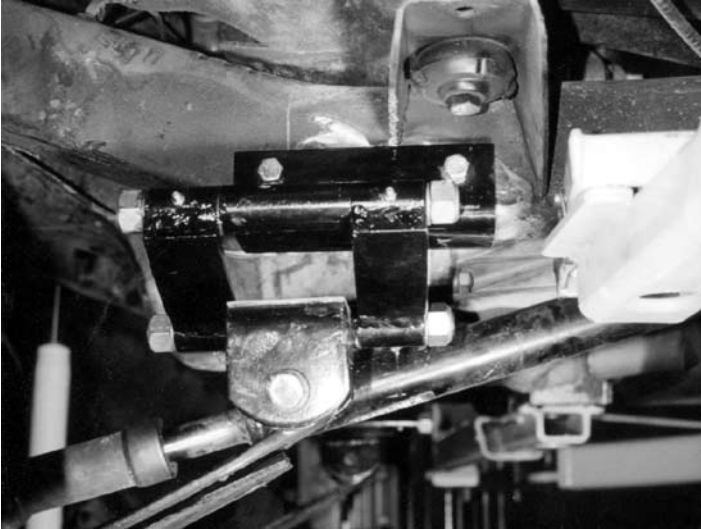


Note Some customers may benefit from also stitch welding the mounting tray to the frame. In such cases, avoid continuous welds as they will weaken the frame.

9. Attach the spring to spring hanger using the stock bolt.
10. GREASE THE Z-BOXES BEFORE & AFTER USE. They will seize if not maintained properly.
11. Repeat this procedure to install the Z-Box on opposite side.

Individual Installation Photos

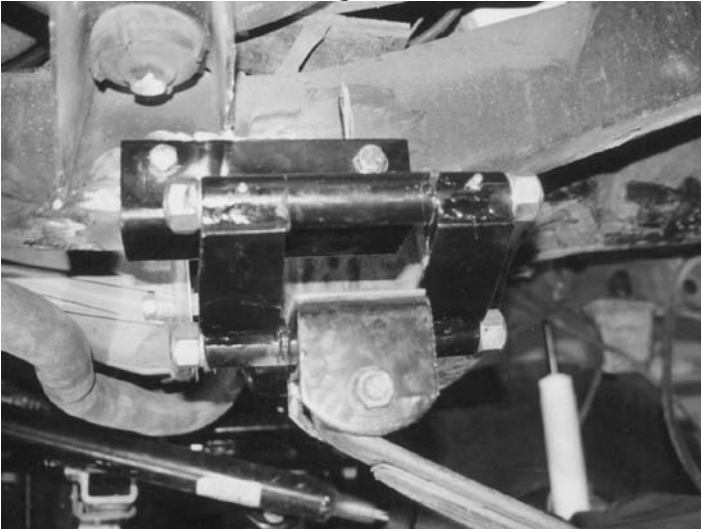
Driver Front



Driver Rear



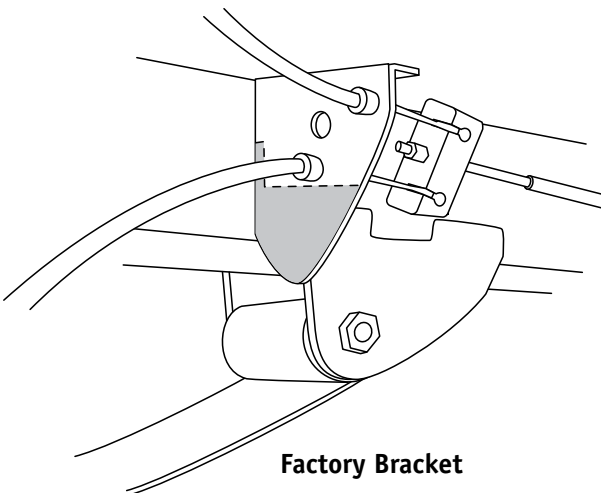
Passenger Front



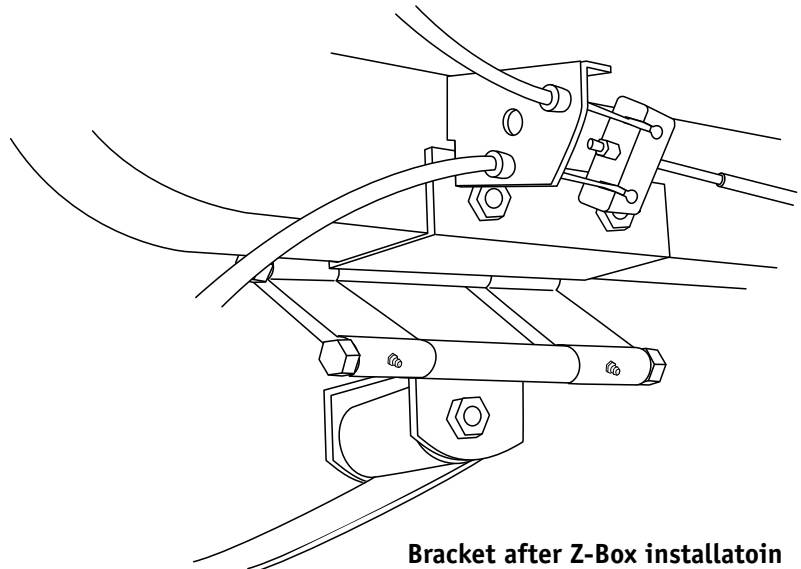
Passenger Rear



Bracket modification for driver's rear Z-Box



Factory Bracket



Bracket after Z-Box installatoin



PRODUCT INFORMATION & WARRANTY

MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

TERAFLEX PRODUCT WARRANTY:

Tera Manufacturing warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by TeraFlex's two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

Tera axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. Tera Manufacturing will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

COPYRIGHT

©Copyright 2008. All rights reserved, TeraFlex Inc. Reproduction of this catalog and/or any of its contents without written permission is strictly prohibited.

TeraFlex® is a registered trademark of TeraFlex Inc. All trade names and logos including but not limited to TeraFlex, FlexArms, RockGuard, Monster, and LCG are protected by law and duplication of trade names and/or logos are strictly prohibited.

TeraFlex Inc. reserves the right to update, discontinue, redesign, modify finish, part number or component build parts if deemed necessary without written notice. TeraFlex Inc., and any associated dealers are not responsible for misprints or typographical errors that may have inadvertently been made within this instruction sheet.

Jeep® and the Jeep® grill are registered trademarks of Chrysler LLC, and have no affiliation with TeraFlex Inc.

TeraFlex, Inc. 5241 South Commerce Dr. Murray, Utah 84107
Phone/801.288.2585 Fax/801.713.2313 www.teraflex.biz