

# IMPORTANT!

Read and understand the owner's manual before attempting to install or use your new DiamondBack product.



## Owner's Manual Ranger Cover

# Table of Contents

READ BEFORE PROCEEDING .....	2
COVER INSTALLATION .....	3
POSITIONING OF PANELS .....	3
ATTACHING GAS SPRINGS .....	4
LOCKING ROD ADJUSTMENT .....	4
LOCKING THE COVER .....	5
REMOVING THE COVER .....	5
PROPER HAULING.....	7
CARE AND MAINTENANCE .....	7
WARRANTY.....	8
WARRANTY REGISTRATION.....	9



**DiamondBack Automotive Accessories, Inc. is not responsible for any property damage, personal injury, or death incurred while using any DiamondBack product.**

## Read Before Proceeding

### **Important hauling information:**

1. **Load Capacity:** Do not exceed the smaller of a **250 lb evenly distributed load** or the vehicle manufacturer's specified load capacity. Distributed load means that the load should not be concentrated in a small area. Never place a load more than **250 lbs** on top of the cover.
2. **ANY** load **WILL** increase your vehicle's center of gravity, and **WILL** significantly hinder your vehicle's ability to maneuver, stop, and turn. Avoid sharp turns and excessive speeds as this will increase these risks.
3. **Securing top loads:** Failure to properly secure cargo, or hauling inappropriate cargo, may result in property damage, personal injury, or death.
4. **DO NOT** operate cover if hinge locking tabs are bent or damaged. Panels may slide apart and cause injury or damage to the vehicle. See "Troubleshooting" section for instructions on hinge repair and replacement.
5. Locking rod brackets and locking rod set-screws may become loose due to regular road vibration. Check and tighten these **every** time you haul with the cover.

# Cover Installation

## Parts:

- (1) Tailgate Panel
- (1) Stationary Panel
- (2) 60# Gas springs
- (2) Turnbuckles
- (2) Mounting Arms

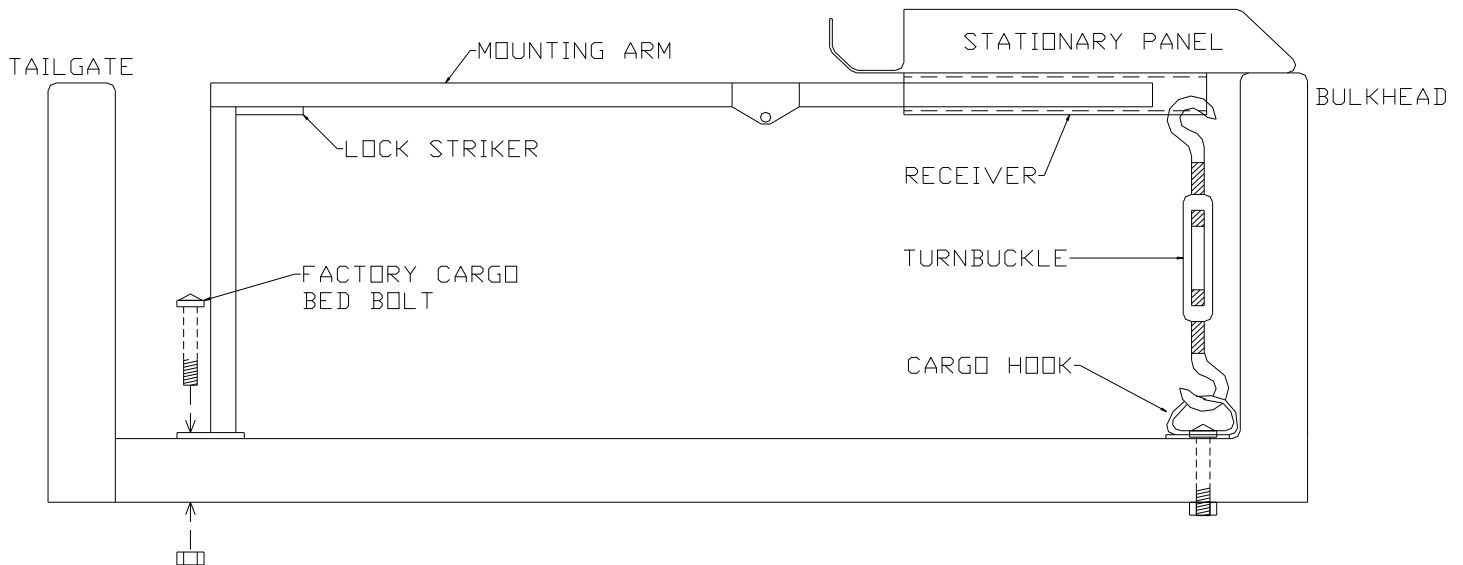
## Tools Needed:

- Ratchet with 9/16" socket
- Ratchet with 7/16" socket
- 1/8" Allen Wrench



## Positioning of Panels

1. First remove the two cargo hooks closest to the tailgate from the inside of the Ranger bed. Do this by removing the nut from the underside of the bed. Retain the bolts and hardware as these will be used later to install the cover.
2. Note: 2010 Rangers do not come with cargo hooks, therefore you must use the 3.5" button head bolts provided in place of the factory bed bolt and the 2.5" eye bolts provided in place of the factory cargo hooks.
3. Next, insert the turnbuckles through the hole in the rear of the receivers as shown in **Figure 1**.
4. Slide the mounting arms into the receivers on the underside of the stationary panel as in **Figure 1**. Note that the strikers and ball stud brackets of each mounting arm should be facing inward.



**Figure 1**

5. Next, place the stationary panel with mounting arms and turnbuckles installed on the Ranger bed.
6. Align the front of the stationary panel with the front of the bulkhead and center the panel on the width of the bed.
7. Align the mounting arm flanges with the factory bed bolts and insert the bolts through the flanges and into the bed floor.
8. Attach the turnbuckles to the factory cargo hooks and tighten only slightly to allow for final alignment of the cover.

## Positioning of Panels

1. To attach the tailgate panel, hold the panel with hinges facing down, and perpendicular to the stationary panel. Align the hinges of the tailgate panel with those of the stationary panel, and slide the tailgate panel into position. (**Figure 2-3**) Make sure to align the tab of the male hinge with the gap in the knuckle of the female half of the hinge.
2. Once the hinges are fully mated together, hold the lock in the “open” position, and close the panel slowly. Adjust cover front to back so that it overlaps the tailgate evenly and is sealing at the bulkhead and on the sides of the bed. Tailgate overlap should be approximately 1/4” from touching the tailgate.



**Figure 2**

**DO NOT close the panel until the hinges are fully mated to avoid damaging the hinge tabs.**



**Figure 3**

**\*Note: DO NOT operate cover if hinge tabs are bent. Panels may slide apart and cause injury or damage to the vehicle.** Under normal operation, the hinge tab holds the female hinge leaf in place. If the panel is to be removed, the panel must be tilted to approximately 100 degrees to disengage the hinge tabs. At greater than or less than 100 degrees, the tabs will hold the panels together. If the panels are closed before the hinges are fully mated, the hinge tabs will bend. The hinge tabs can be repaired using a pair of pliers.

3. Once the hinges are fully mated together, hold the lock in the “open” position, and close the panel slowly. You may need to slide the cover forward or back to properly close over the tailgate.
4. Center the cover left to right on the bed and make sure the tailgate flange overlaps the tailgate evenly while compressing the tailgate flange weather strip.
5. Once the cover is properly aligned, tighten the turnbuckles and bed bolts. Be careful to not over tighten the turnbuckles as this may damage the factory cargo hooks. Tighten only until the weather-strip of the stationary panel is thoroughly compressed.

# Attaching Gas Springs



Always support an open cover panel while installing or removing gas springs. To prolong spring life, each gas spring must be oriented so that the exposed metal stem of the gas spring is facing down (Figure 3).

1. Attach one end of each of the gas springs to the ball stud located on the mounting arm by pushing the open end of the gas spring onto the ball stud. (Figure 3).
2. The unattached end of the spring has a quick release cap that permits easy installation and removal. Attach the spring to the ball stud bracket on the underside of the panel by pushing the open end of the gas spring onto the ball stud.
3. To remove the gas springs, open the key as shown in Figure 4-5 and pull the spring from the ball stud. On the other end of the spring, pry up gently on the metal spring clip with a small, flat object (screwdriver or key) while pulling the gas spring from the ball stud.



Figure 3



Figure 4

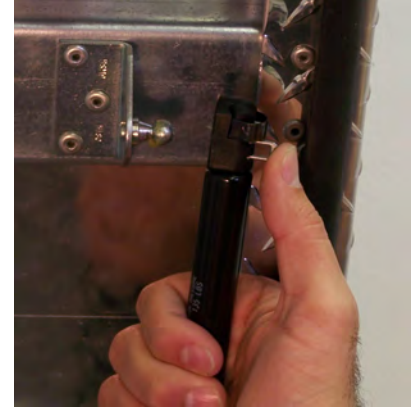


Figure 5

## Lock Rod Adjustment

1. Locking rod lengths can be adjusted by using an allen wrench to loosen the set-screw on the rod linkages (Figure 6).
2. Adjust the rod lengths so that the tip of the lock rods clear the striker brackets when the handle is in the “open” position.
3. Rod guide bracket location can be adjusted using a 7/16” socket (Figure 7). Adjust the rod guide bracket so that the rod will pass under the striker brackets when the cover is in the closed position.
4. Be sure that all weather strip is compressed while you adjust the rods to the proper height.
5. When the rods are in the proper position, tighten the nuts to 10 ft.-lbs on the rod guide bracket to secure rod placement.



Figure 6

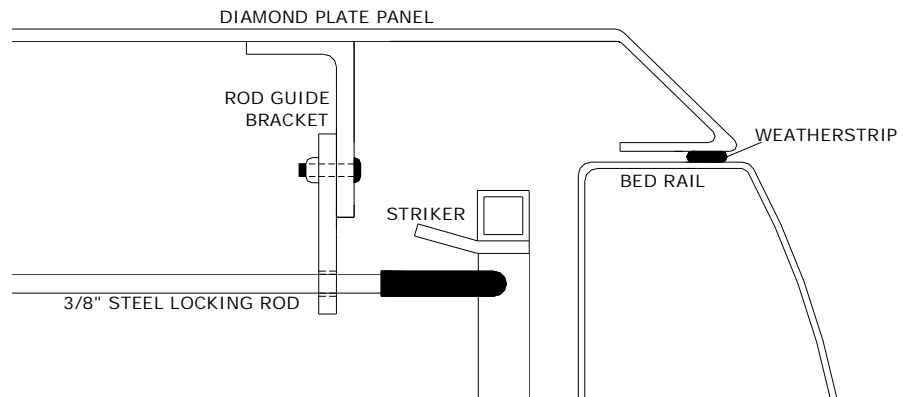


Figure 7

**NOTE:** New hinges, springs, and weather strip may initially be tight or difficult to compress. Adjust all locking rods so that all weather strip is compressed. The weather strip will “wear in” over time.



Locking rod brackets, and set-screws may become loose due to regular road vibration. Check and tighten every time you haul with your cover.

## **Locking the cover**

1. Hold the lock in the open position, close the panel and turn the T handle into the locking position. The lock is now closed, but not locked.
2. To lock the panel, use the key to turn the key cylinder. The panel is now closed and locked.



**Never drive without properly securing panel.**

**Panel must be key-locked before vehicle is placed in motion.**

Unlocked panels may open during transportation resulting in personal injury, death, damage to the cover, and loss of cargo. Diamondback Automotive Accessories, Inc. is not responsible for damage resulting from unlocked panels.

## **Removing the cover**

1. First remove the gas springs from the tailgate panel. Make sure you are supporting the panel as you remove the gas spring, as it will fall when the springs are removed.
2. Tilt the panel back toward the cab of the vehicle until the panel is perpendicular to the center panel and the roll pin of the male hinge aligns with the slot in the knuckle of the female half of the hinge.
3. Making sure both sides of the panel are supported; slide the panel off of the hinges.
4. To remove the center panel, simply remove the bed bolts and turnbuckles.

# Proper Hauling



## Important hauling information:

**Do not attempt to transport cargo on top of the DiamondBack Cover before reading and understanding the following instructions**

1. **Load Capacity:** Do not exceed the smaller of a **250 lb evenly distributed load** or the vehicle manufacturer's specified load capacity. Distributed load means that the load should not be concentrated in a small area. Never place a load more than **250 lbs** on top of the cover.
2. **ANY** load **WILL** increase your vehicle's center of gravity, and **WILL** significantly hinder your vehicle's ability to maneuver, stop, and turn. Avoid sharp turns and excessive speeds as this will increase these risks.
3. **Securing top loads:** Failure to properly secure cargo, or hauling inappropriate cargo, may result in property damage, personal injury, or death.
4. When hauling cargo on top of the DiamondBack Cover, always use secure ratchet straps. Do not use bungee cords to secure gear.
5. Always make sure cargo is supported in *all* directions.
6. Always make sure ratchet straps, or other tie down mechanisms, are sufficiently tight. Loose straps will result in cargo movement and possible damage or loss of goods, or injury.
7. **DO NOT TRANSPORT PEOPLE ON TOP OF THE DIAMONDBACK COVER.**

**DiamondBack Automotive Accessories, Inc. is not responsible for any property damage, personal injury, or death incurred while using any DiamondBack product.**

For Warranty Registration, complete the form located at the end of this owner's manual or visit [www.diamondbackcovers.com/owners](http://www.diamondbackcovers.com/owners).

# Care and Maintenance

## **Inspect your DiamondBack Cover every time you haul for:**

1. Loose, damaged, or mis-aligned locking rods, couplers, set screws, and brackets.
2. Loose, damaged, bent or worn hinges and pins
3. Worn or damaged cargo cleats and bolts
4. Weak or damaged gas springs
5. Excessive weatherstrip wear

## **Scheduled Maintenance:**

1. Lock key cylinders must be lubricated every three months with a Teflon based spray lubricant.
2. Locking rods and rod guide brackets may require additional adjustment at 100 miles after initial installation due to weatherstrip and panel hinge wear-in.

## **Wash your DiamondBack as you would your ATV:**

1. Never use abrasive cleansers.
2. If desired, use an aluminum polish when finish appears dull. Polish works best when it is applied sparingly and removed completely.

# Warranty

## **DiamondBack Automotive Accessories Incorporated Limited Warranty**

This LIMITED WARRANTY, made by DiamondBack Automotive Accessories Incorporated, is issued to the original retail purchaser of any DiamondBack Automotive Accessories Inc. product.

DiamondBack Automotive Accessories Inc. hereby warrants that our products will be without defect in material or manufacture for a period of (3) years after the original retail purchase date. This warranty covers gas springs, locks and locking mechanisms, weather seal, trim, and cleats. DiamondBack Automotive Accessories warrants all powder coated covers to be without defect in adhesion for a period of (3) years following the retail purchase of the cover. This warranty does not apply to ATV packages or coatings damaged by abrasion due to loading or unloading materials on the cover.

Diamondback Automotive Accessories, Inc. hereby warrants that our products will be without structural and manufacturing defects for a period of (3) years following the original retail purchase. This (3) year warranty covers only the structural components and does not include any parts or materials used in the workings of the cover. This warranty does not apply if structural damage is caused by over-loading the cover beyond either the load capacity specified by DiamondBack Truck Accessories, or the load capacity of the truck with which the DiamondBack product is used.

If the purchaser discovers that a DiamondBack Automotive Accessories Inc. product is defective in material or manufacture within the period of (3) years of purchase or is structurally defective in manufacture within a period of (3) years, that person shall contact DiamondBack Automotive Accessories, Inc. and a representative of the company will inspect the product. If a material or manufacturing defect is determined to exist, DiamondBack Automotive Accessories, Inc. shall exercise its option to either repair or replace the defective part(s).

This Warranty shall be considered void if the product is shown to have been abnormally used, misused, improperly maintained, or altered in any way by anyone other than an authorized DiamondBack Automotive Accessories, Inc. dealer or manufacturer. This warranty does not cover damaged material or structure due to accident or misuse of the DiamondBack product.

This Warranty is the only warranty applicable to the purchase of a DiamondBack Automotive Accessories, Inc. product. DiamondBack Automotive Accessories, Inc. hereby disclaims any and all other warranties, express or implied, including the implied warranty of fitness for a specific use. Diamondback Automotive Accessories, Inc. is not liable for any damages incurred, whether incidental or consequential, due to a breach of this Warranty. The terms of this Warranty shall not be changed in any way, by any person or party. This Warranty guarantees you certain rights. Other rights may vary from state to state.

# Warranty Registration

(Want an easier way? Register your warranty online at [www.diamondbackcovers.com/owners](http://www.diamondbackcovers.com/owners))

**Promotional Code:** \_\_\_\_\_ (Please fill in if your purchase was associated with a mail-in-rebate)

Name: \_\_\_\_\_ Email Address: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

---

## Products Purchased

Rhino Cover (Serial Number under center panel) \_\_\_\_\_

Other \_\_\_\_\_

Date Purchased \_\_\_\_\_ Purchased From \_\_\_\_\_

How was your dealer experience?    Excellent    Satisfactory    Poor    Other: \_\_\_\_\_

---

## How did first hear about DiamondBack? Please complete section below.

Website (be specific): \_\_\_\_\_

Truck Sighting: \_\_\_\_\_

Print Ad (be specific): \_\_\_\_\_

Dealer (be specific): \_\_\_\_\_

Show Appearance (be specific): \_\_\_\_\_

Other: \_\_\_\_\_

Referral/Friend: \_\_\_\_\_

## Please give us your comments:

Installation: \_\_\_\_\_

---

Use and function of products: \_\_\_\_\_

---

Additional Comments: \_\_\_\_\_

---

**Please Mail to:** DiamondBack Truck Covers, ATTN: Warranty Registration, 200 Shady Lane, Philipsburg, PA 16866

**Or Fax to:** 814-343-4856