The Rampage Power Lift Ramp is the fast, easy, and safe way to load a motorcycle into a truck. One person can load or unload a bike, and one person can usually install or remove the unit by themselves.

The Rampage can be installed in a long bed truck (8 ft), short bed truck (6 – ½ ft), or a very short bed truck (5 ft – 4 in). With any truck, the tailgate can be left on or removed. For long bed trucks, the tailgate can be closed for travel, but must be removed for operation of the unit.

Note: The Rampage Power Lift Ramp is designed and tested to handle motorcycles that weigh NOT OVER 1000 POUNDS, and to mount to a flat support bed or frame NOT OVER 39” HIGH. Do not exceed these weight or height limits without consulting the factory and getting written approval. The unit can be mounted to bed heights over 39”, provided the unit is installed on a slope, with the winch end higher than the back end (see below). Please call us for instructions.

PARK FLAT - The unit is designed to operate properly on flat, level ground. Parking on a slope can cause unsafe operation.

BE CAREFUL: DECIDING WHAT TO LOAD INTO THE TRUCK, WHAT TRUCK TO USE, HOW TO SECURE THE LOAD IN THE TRUCK, AND HOW TO SAFELY DRIVE THE TRUCK, ARE ALL THE RESPONSIBILITY OF THE OWNER AND DRIVER.

RAMPAGE POWER LIFT RAMP DIVISION OF PROTOTOOLS CORPORATION MAKES NO CLAIMS OR REPRESENTATIONS ABOUT THESE SUBJECTS, AND LIMITS ITSELF TO THE OPERATION OF THE RAMPAGE UNIT ITSELF.
INSTALLATION

The installation procedure is simple, and can be accomplished with a few tools and 2 hours of time. Any hitch shop and most mechanics can handle the job easily and inexpensively. It is best if you have a professional do the job, but many people can handle the installation by themselves. The steps are:

1. Install the rivet nuts that will hold the unit in the truck bed. If a direct frame mount is required (tractors, etc), consult the factory for assistance.
2. Install the Base Frame to the truck bed.
3. Install the battery and ground cables between the Rampage winch and the truck battery.
4. Install the winch solenoid box on the base frame.

INITIAL INSPECTION:

Inspect the shipping skid or crate for damage. If it is damaged, make a note of it before you take it apart, and if possible, take pictures of the damaged area. Then uncrate the unit and inspect it for shipping damage. If any damage is detected, report it immediately to the shipping company and to the factory. If possible, take pictures of the damaged parts of the unit. The Rampage unit is extremely strong and difficult to damage, so even if the crate is damaged, it is unlikely the unit is damaged.

UNPACK AND GET READY:

Unpack the Rampage unit and locate the following parts:

1. Rivet nuts (4)
2. Rivet nut installation tool (1)
3. 3/8" X 3" bolts
4. 3/8" flat washers
5. Battery cables
6. Quick disconnect
7. Battery cable lugs
8. Wire ties
9. Pin – 3/8 X 2 (Cradle Latching, Travel Safety)
11. Pin – 5/16 X 1 (Ramp Load/Unload)
12. Winch solenoid box
13. Winch remote control

Note: There are low friction skids on the bottom of the base frame that are part of the unit. Do not remove these skids.

You will also need:
1. An electric drill.
2. A 17/32” drill bit to drill the three mounting holes for the rivet nuts. **THIS SIZE IS CRITICAL. THE FINISHED HOLES MUST BE 17/32”**.
3. Hand tools, such as open-end wrenches, an adjustable wrench, etc.

If the installation requires a direct frame mount, consult the factory for assistance.

**Rivet Nuts are only for use in standard sheet metal truck beds.** For fiberglass or any other material, use bolts, oversized washers, and nuts to mount the unit.

The Rampage comes assembled and tested. To install it in the truck can be accomplished with a lifting device (forklift, crane), lots of manual labor (2 – 3 people), or by disassembling the unit and handling each piece separately (1 person).

In these instructions “Front” means the end of the unit closest to the winch and the truck cab. “Rear” means the other end of the unit closest to the truck tailgate.

**MAIN COMPONENTS OF THE RAMPAGE**

![BASE FRAME](image1)

![ROLL FRAME](image2)
There are three locking pins used in operating the Rampage (see Operating Instructions). You will need to remove these to disassemble and install the unit.

PIN 1 TO LOAD OR UNLOAD A BIKE ONTO THE RAMP

Pull this pin out for the wheel carriage to move up and down the ramp. Insert this pin and lock it for loading and unloading the ramp into the truck.
PIN 2 TO LOAD OR UNLOAD THE TRUCK

Pull this pin out for the ramp to go into the truck. Insert this pin when the ramp is extended, and you are loading or unloading the ramp.

PIN 3 TO LATCH OR UNLATCH THE WHEEL CRADLE

Insert this pin to hold the wheel carriage in place when latching or unlatching the cradle. This keeps the winch from pulling the carriage up the ramp while pulling the cradle down into the latch.

PIN 4 FOR TRAVEL

Insert this pin as a safety latch for travel. Push the pin in enough to see the end hole in the middle of the track, and insert the hair pin to hold the latch pin in place.
UNIT DISASSEMBLY – MAJOR STEPS

1. Disconnect the winch cable
2. Remove the Wheel Carriage from the Roll Frame
3. Remove the Roll Frame from the Base Frame

1. Disconnect the Winch Cable from the Wheel Cradle - Remove the bolt that connects the Winch Cable loop to the Wheel Cradle connecting bar.

2. Remove the Wheel Carriage from the Roll Frame.
   a. Remove the Roll Frame end rollers. The two end rollers are held in place by hex bolts with nylon insert nuts.
   b. Roll the Wheel Carriage out the end of the Roll Frame and set aside.
   c. Re-Install the Roll Frame End Rollers so you can use them next to move the Roll Frame around.

3. Disconnect the Roll Frame from the Base Frame
   a. Remove the Guide Pipe lock bolt from the Guide Pipe Support located closest to the front end of the Roll Frame.
b. Remove the Guide Pipe by pulling it through Guide Pipe support at the front of the Roll Frame. (old photo - the guide and the pipe are now centered)

4. Side or lift the Roll Frame off the Base Frame. There are rollers on each end of the Roll Frame, which can help in handling the frame.

INSTALLATION – MAJOR STEPS

1. Install the Base Frame
2. Install the Roll Frame on the Base Frame
3. Install the Wheel Carriage on the Roll Frame
4. Mount the winch solenoid box and connect the winch cables and wire to the truck battery

1. Locate the Base Frame in the bed –
   a. Position the Base Frame in the truck bed side to side in the center of the bed, midway between the wheel wells.
   b. Position the frame front to back so that the Roll Frame extends to the ground without hitting the end of the truck bed or tailgate.
   1) **Long bed** – Rear end of the frame inside the bed and just touching the closed tailgate. For very high bed trucks, it may be necessary to leave the gate off, or to mount the Rampage on blocks above the bed.
   2) **Short bed (tailgate left on)** – Rear end of the frame inside the gate ½ - 1 ½ inch from the end of the tailgate.
   3) **Short bed (tailgate off)** - Position the front end of the frame immediately next to (1/2” gap) the front of the bed or bed liner.
   4) **Extremely short bed (tailgate on or off)** - Position the front end of the frame immediately next to (1/2” gap) the front of the bed or bed liner.
2. Remove the winch cable guide roller next to the winch. There is a mounting hole under this roller.

3. Mark and drill the Rivet Nut mounting holes (metal beds). There will be three (3) Rivet Nuts in the front mounting channel, and one Rivet Nut in either the middle mounting channel or the Rear mounting channel, depending on the bed length.

SAFETY NOTE: THE HOLE SIZE IS CRITICAL. IT MUST BE 17/32 INCH.

Take care to position the holes so the rivet nuts will sit on a flat surface and not on a formed face in the bed. Move the Rampage unit sideways if necessary to assure the center hole be over a flat surface.

a. Drill one hole in the bed through the center hole of the front mounting channel.

b. Drill two additional holes in the bed through the front mounting channel, one through each of the two mounting slots. The slots are provided to make sure you can put the bolts in flat surfaces. Put the holes as far away from the center as possible and still sit in the middle of a flat surface.

c. Drill one hole through the center hole of the middle mounting channel or, if in a long bed truck, through the center hole of the rear mounting channel

    Note: No holes are drilled in or attachment is ever made to the tailgate.

4. Move the Base Frame to one side to clear room to install the Rivet Nuts
VERY IMPORTANT: Rivet Nuts must be installed directly on the sheet metal truck bed with no plastic or bed liner material between the nut and the metal. If there is a spray-on liner, scrape away the material completely in the immediate area where the nut will go. This is critical to the safe installation of the Rivet Nut. → Do not use Rivet Nuts in any bed material except standard sheet metal beds.

5. Install the Rivet Nuts - Put a Rivet Nut in one of the bed holes until the nut is fully down and flush with the top surface of the bed.

6. Use the Rivet Nut installation tool as per the included instructions. Tighten as instructed until each rivet nut is tightly clamped against the sheet metal truck bed, and there is no play or movement in the rivet nut.

PROPERLY INSTALLED RIVET NUT SEEN FROM THE BOTTOM OF THE TRUCK BUD

7. Move the Base Frame to line up the mounting holes over the Rivet Nuts, and install a 3/8” hex bolt, with washer, in
each rivet nut. Tighten securely, but **DO NOT OVERTIGHTEN**. A snug fit is all that is necessary. If you over tighten the Base Frame mounting bolts, you can weaken or pull the Rivet Nuts out of the bed.

8. Place the Roll Frame on the Base Frame with one end of the Roll Frame on the ground and the other leaning on the end rollers of the Base Frame.

9. Install the Guide Pipe through the Guide Pipe Support. Slide the Pipe down through the support, then through the hinged guide, then into the end support under the Wheel Pan.

10. Install the Guide Pipe Clamp Bolt in the Guide Pipe Support

11. Remove the Roll Frame end rollers in the rear of the Roll Frame.

12. Slide the Wheel Carriage into the Roll Frame tracks
13. Re-install the Roll Frame end rollers

14. Install the Winch Cable guide roller at the winch

15. Attach the Winch Cable to the Wheel Cradle using bolt. Take care to route the Winch Cable over the guide roller near the winch, and under the guide roller near the Cradle Latch.

ELECTRICAL INSTALLATION

Components:

1. Winch solenoid box
2. Coupling nuts and button head screws
3. Two #6 battery cables
4. Two copper lugs with ¼” holes
5. One quick disconnect cable connector

Install the electrical:

1. Mount the winch solenoid box to the left side plate of the base frame.
   a. Attach two coupling nuts to threaded studs on the bottom of the winch box.
   b. Insert two button head screws through the side plates, and bolt to the coupling nuts on the winch box. Note the button heads will be on the inside of the side plate.
   c. Orient the solenoid box so that the connector for the winch remote control faces towards the rear of the truck. You may need to relocate one of the mounting studs in the solenoid box.

A quick-disconnect plug is attached to the winch cables, and another quick-disconnect plug is attached to one end of the battery cables.

2. Route the battery cables from the truck bed to the engine compartment using your preferred method.
3. Locate power distribution studs in the engine compartment.
4. Cut the cables to length and attach the copper lugs. Be sure to verify you have the polarity correct.
5. Connect the two disconnect plugs together to provide power to the winch.
6. Insert the winch remote control into the connector on the solenoid box.
7. Verify the winch winds up the cable when you press the red button on the winch remote control. It will unwind the cable when you press the black button. If you prefer the other direction, switch the wires on the winch motor.
THE RAMPAGE WILL NOW BE PROPERLY INSTALLED AND READY FOR OPERATION

RAMPAGE POWER LIFT RAMP
OPERATING INSTRUCTIONS (3/10/07)
OPERATION:

The operation of the unit is simple, and one person can load or unload a heavy motorcycle quickly and easily. You will need two (2) good quality, heavy load tie-down straps, and two soft loops to secure the bike to the Rampage. In addition, we use the following parts, which are included with the unit.

1. Pin – 5/16 X 1 long – For Ramp Load/Unload
2. Pin – 5/16 X 1 – ½ long - For Truck Load/Unload
3. Pin –3/8 X 2 long - For Cradle Latching and Travel Safety (2 uses)
4. Winch remote control

NOTE: WHEN WORKING WITH THE PINS, IT IS HELPFUL TO PULL IN THE WINCH SLIGHTLY, OR LET IT OUT SLIGHTLY (“BUMPING THE WINCH”), TO RELIEVE PRESSURE. THIS MAKES IT EASIER TO PULL OR INSERT ONE.

LOADING – MAJOR STEPS

1. Unload the Roll Frame from the base frame and position the Wheel Cradle at the bottom of the Roll Frame
2. Move the motorcycle into the loading position.
3. Strap (tie off) the motorcycle to the Wheel Cradle Tie-Down Arm.
4. Load the Wheel Cradle, which tightens the straps and pulls the front wheel off the ground. The Cradle locks in position with the Cradle Latch.
5. Load the motorcycle onto the ramp
6. Load the ramp into the truck
7. Strap (tie off) the motorcycle to the truck for transportation

LOADING – DETAIL STEPS
1. Attach the winch remote to the winch solenoid box

2. Remove the travel safety pin (4)

3. Check the winch control by briefly pushing the black button and then the red button. The red button should cause the winch to pull in.

4. While unrolling the winch (black button), pull the Roll Frame from the truck until it is on the ground and fully
extended from the truck. The Roll Frame will hit an internal stop when it is fully extended.

5. Install Pin 2 for loading the ramp. Be sure to set the safety pin in place.

6. Remove Pin 1 to allow the Wheel Carriage to travel down the Roll Frame (ramp).

7. Position the Wheel Carriage at the bottom end nearest the ground.

8. Install the Cradle Latch Pin (Pin 3) so the Cradle cannot move up the ramp.
The Cradle must be completely down and at the end of the Roll Frame to install the Latch Pin.

9. Unlatch the Cradle Latch so the Cradle can tilt up. You may need to pull the winch in, tightening the cable enough for the latch to release. This releases the pressure on the latch pin. After the latch releases, make sure there is enough slack in the Winch Cable for the cradle to tilt fully up.

10. Drive or push the motorcycle up to the cradle and push the front wheel into the cradle. This will cause the cradle to tilt up against the wheel.

11. Set the kickstand down, and lean the bike against the stand.

12. Strap the motorcycle to the Cradle tie down arms. **Use heavy-duty straps with a rated Working Load of at least 1000 pounds.**

On bikes with much fairing, such as Classic and Ultra Classic Harleys, you can attach to the cross member between the forks, taking care to route the straps, or soft loops, around any brake lines or wiring. If an air scoop is in place, remove it first. It can be removed and re-installed easily. Alternately, the handlebars can be used to tie off many bikes.
Be sure to secure the bike to a point above the front shock absorbers. The motion of the Wheel Cradle will pull down the shocks and tighten the straps. Be sure to not over-tighten the straps and run the shocks out of travel (“bottom out”). This could result in damage to the bike or a broken strap.

13. Adjust the left side (kick stand side) strap to slightly loose.

14. Tighten the Right side strap. Standing on the right side, pull the bike handlebar towards you to straighten up the bike and relieve the tension on the strap. This will make tightening the strap easier. Keep doing this until the bike is centered and stands safely without holding onto the handlebars. You can set the straps so that the bike will still lean a little toward the kickstand, or stays on the kickstand. The shocks should not be compressed at this point. Do NOT put up the kickstand yet.

SAFETY NOTE: WHEN SETTING UP THE BIKE TO LOAD IT, DO NOT TIGHTEN THE STRAPS ENOUGH TO COMPRESS THE SHOCK ABSORBERS. THE LOADING MOTION OF THE CRADLE WILL COMPRESS THE SHOCK ABSORBERS AND TIGHTEN THE STRAPS. IF YOU OVERTIGHTEN THE STRAPS, YOU CAN DAMAGE THE BIKE, BREAK A STRAP, OR CAUSE INJURY.

15. Change position to the Left side. Hold onto the left handlebar and activate the Rampage Winch remote control. Continue to hold onto the bike until you verify the bike doesn’t lean to far to the right (away from you) when pulled into the cradle.

16. Be sure the motorcycle gearbox is in neutral. Using the Rampage winch control, pull the cradle down to the latched position. In one movement, this will lift the front wheel, compress the shocks, center the bike, and tighten both straps.

- Verify the bike is straight and stable.
If the bike isn’t straight, let it back down to the ground and adjust the straps.
- Verify the shock absorbers still have some movement and aren’t at the end of their stroke. If the shocks have bottomed out, let the bike back down and adjust the straps.

**NEVER** try to release or adjust the straps when the cradle is latched, or when the winch cable has tension on it. This could result in injury.

17. Let out the Winch Cable to release pressure on the pin, and remove the Cradle Latch Pin (Pin 3).


18. Pull in the Winch, pulling the motorcycle up the ramp until the Wheel Carriage is at the top of travel. This will put the bike fully on the ramp.
19. Install Pin 1 and set the safety clip in place.

20. Remove Pin 2 to allow the ramp to load into the truck.

21. Pull in the Winch, which will cause the ramp to load into the truck.

Continue pulling the ramp into the truck until the front of the Roll Frame hits the stop at the end of the Base Frame.

22. Let up the Winch tension slightly so it is snug, but not pulling hard.
23. Install Pin 4 for travel. Be sure the install the safety pin in the end hole of the pin.

24. Secure the motorcycle to the truck for travel. The bike should be thoroughly secured to the truck. The attachment to the Rampage unit can be left in place, but is only for loading and unloading the motorcycle.

This procedure will take a few tries before you get comfortable with it, and then it becomes easy. Hold onto the handlebars with one hand to make sure the bike doesn’t lean away from the kickstand very much while you are adjusting the strap settings. After a few tries you will be able to load a bike in a few minutes.

UNLOADING THE MOTORCYCLE

Unloading the bike is the reverse of the procedure listed above, however there are a few things to note:

1. Release the motorcycle tie-downs that are used to hold it to the truck

2. Remove Pin 4 (travel safety)

3. Holding the Winch Remote Control in one hand, pay out the Winch Cable and manually pull the Roll Frame towards the rear of the truck. The normal position to stand on is the left side of the Roll Frame, facing the rear of the truck, with the Winch Remote in your left hand.
STAND TO ONE SIDE OF THE ROLL FRAME, NOT BEHIND IT.

MAINTAIN TENSION ON THE CABLE AT ALL TIMES. If this is difficult, “bump” the winch to unroll a little of the cable at a time, and pull the Roll Frame until the cable is tight again.

As the Roll Frame moves towards the rear of the truck, it will get to the point where it pivots over the Base Frame rear rollers. If you control the cable, and keep it tight, the Roll Frame will descend towards the ground in a steady, safe manner. Once the Roll Frame wheels are on the ground, you can then pay out the Winch continuously.

4. Allow the Roll Frame to roll down to the ground and fully down against the end of the Base Frame.

5. Install Pin 2
6. Remove Pin 1. You may have to pull in the winch to relieve pressure on the pin.

7. Pay out the Winch Cable, allowing Wheel Carriage to roll down the Roll Frame. The bike will roll out onto the ground.

8. When the Wheel Carriage is at the bottom end of travel, the motorcycle will be fully on the ground, with the wheel suspended in the Wheel Cradle.

9. Install Pin 3 to lock the Wheel Carriage in place

10. Put down the bike kick stand
11. Pull in the Winch to tighten the Winch Cable and release tension on the Wheel Cradle Latch. Push up on the latch release lever, and listen to the “click” as the latch releases. Continue to hold up the lever.

12. Pay out the Winch, allowing the Wheel Cradle to tilt up out of the latch, and to lower the bike towards the ground. You can release the latch lever as soon as it is clear. Hold onto the handlebars and assure that the bike leans towards the kickstand.

13. Release and remove the tie-down straps and soft loops.

14. Latch the empty Wheel Cradle in the loading position and load the empty Rampage unit back into the truck until needed again.

THANK YOU FOR SELECTING RAMPAGE POWER LIFT RAMP!
WE WISH YOU SAFE AND HAPPY RIDING!

TIE-DOWN SAFETY

When a motorcycle is loaded in the truck, it must be secured to the truck at the rear and the front for transportation. Securing the motorcycle to the Rampage unit is only for loading and unloading the truck, and is not sufficient for transportation.

WINCH CABLE SAFETY

Inspect the winch cable each time you use it to make sure it is in good condition. If you question its condition, replace the cable.

ANY QUESTIONS? CALL US ANY TIME. WE LOOK FORWARD TO BEING OF HELP IN ANY WAY WE CAN.

Phone (925) 405-0365 Pacific Time, Fax (925) 685-3686
Email: info@rampagelift.com
SAFETY NOTES

Be careful. Don’t rush. It only takes a few minutes to load or unload a motorcycle. Practice loading and unloading until you are comfortable with working the unit. Follow the procedure carefully, and use the locking pins exactly as specified.

- Make sure the Rivet Nuts are properly installed and tightened in the truck bed
• Tie down the motorcycle to the Rampage with heavy-duty straps. Use straps with a rated Working Load limit of at least 1000 pounds.

• Set up your strap tension so you never fully compress (“bottom out”) the shock absorbers. If you over tighten the straps, you could damage the motorcycle, break a strap, or cause injury.

• Make sure the motorcycle is in neutral before attempting to pull it up the ramp.

• When loading or unloading a motorcycle, always stand to one side of the unit, not behind it.

• Maintain tension on the winch cable at all times when pulling the unit out of the truck. Inspect the winch cable each time you use it to make sure it is in good condition. If the cable becomes frayed, replace it immediately.

• Always run the winch cable from the bottom of the winch drum, not the top.

• NEVER try to release or adjust the straps when the cradle is latched, or when the winch cable has tension on it. This could result in injury.

• Remember, the maximum load rating is 1000 pounds, and the rated maximum truck bed height is 39 inches.

• Always tie down the front and back of the motorcycle to the truck for transport.

• If your unit gives you any cause for concern, CALL US. Please don’t take any chances with your motorcycle or your safety.