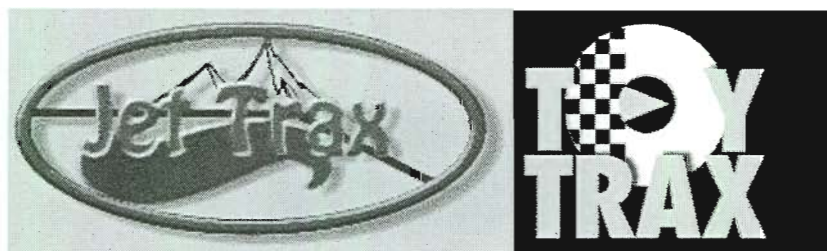


[home](#) | [motorcycle lifts](#) | [pwc lifts](#) | [boat lifts](#) | [docks](#) | [shipping - returns](#) | [contact us](#)



INSTRUCTIONS FOR INSTALLATION & OPERATION

Motorcycle Unit Installation for Pick-ups



ToyTrax is designed to provide many years of safe and reliable use. The instructions on this page are provided for informational purposes only and are not to be used for actual installation and operation. Current instructions are provided by the Manufacturer with each unit. The Manufacturer's Installation and Operation instructions should be followed carefully.

STEP 1 - Read instructions completely before starting installation paying close attention to all safety notes.

STEP 2 - The universal mounting plate is a flat bar that measures 1/2" x 3" x 48". Place the mounting plate into the pick up bed - 1/2" to 1" behind the front of the bed and centered left to right.

A. On Ford half ton beds, remove existing carriage bolts and attach mounting plate with new 5" long bolts, nuts and washers provided.

B. On all other vehicles, locate the cross member bedframe under the truck. Then, choose two of the mounting plate pre-drilled holes and drill two 9/16" holes through bed and bedframe for attachment. **Do not use two threaded holes for bar attachment to bed of truck.** If a bedliner or bed mat is in place, cut-out around mounting plate before installation so that mounting plate rests flat against the metal bed of the truck. NOTE: On some trucks where the bedframe is not located at the front of the bed, it will be necessary to attach mounting plate by installing a second 1/2" x 3" x 17" flat bar underneath the bed. Drill two 9/16" diameter holes through bed of truck as well as the lower 17" flat bar to match up with the holes that are 7" apart on the upper 48" mounting bar. Then, attach with through bolts, locknuts and washers.

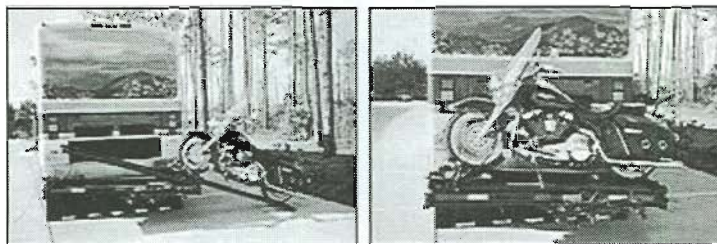
STEP 3 - Insert 5" attach bolts through mounting plate, bedliner, truck bed and bedframe and tighten securely using nuts and washers provided. (Use shorter 3" bolts if using flat bar underneath truck) **Be careful not to overtighten. Overtightening could cause damage to the truck bed.** Next, pull the ToyTrax unit into the bed and set the front 3" channel of the ToyTrax to straddle the mounting plate. Align the 2 slotted holes in the ToyTrax with the 2 threaded holes in the mounting plate and loosely fasten with two 1/2" x 2 1/2" bolts, 1/2" lock washers and 1/2" flat washers provided. Center front channel on mounting plate and tighten both bolts securely.

STEP 4 - Locate an existing hole or stake a pocket hole in the bed of the truck and fish the power cables through to the underside of the truck.

STEP 5 - **This step is critical to ensure the safety of you and your vehicle!** Disconnect battery. Then, gain access to the underside of the vehicle by supporting it on jack stands, or equivalent. Once vehicle is supported safely, route wiring to battery making sure to clear muffler, exhaust pipes, drive shaft and any sharp or potentially hot objects. Tie strap all wiring securely. Re-check all routing and tie straps.

STEP 6 - To avoid arcing, connect the positive wiring to the battery first and then the negative terminal wiring second. **DO NOT ATTACH NEGATIVE TERMINAL FIRST.** Tie off excess wiring in a safe place.

Motorcycle Unit Installation for Motorhomes



ToyTrax is designed to provide many years of safe and reliable use. The instructions on this page are provided for informational purposes only and are not to be used for actual installation and operation. Current instructions are provided by the Manufacturer with each unit. The Manufacturer's Installation and Operation instructions should be followed carefully.

STEP 1 - Read instructions completely before starting installation paying close attention to all safety notes.

STEP 2 - Install 2 receiver hitches at the bumper frame attach points to the body of the vehicle- approximately 24" left and right of the center hitch.

STEP 3 - If the Platform is supplied, slide the left and right hitch tubes into the left and right receivers. Then, slide the Platform with attached center hitch tube into the center receiver and on top of the left and right hitch tubes. Weld (or, attach with nuts and bolts) the left and right hitch tubes to the Platform. Next, pull the ToyTrax unit onto the Platform and attach with bolts, nuts and washers provided.

STEP 4 - Locate an existing hole or stake a pocket hole in the Platform and fish the power cables through to the underside of the motorhome.

STEP 5 - **This step is critical to ensure the safety of you and your vehicle!** Disconnect battery. Then, gain access to the underside of the vehicle by supporting it on jack stands, or equivalent. Once vehicle is supported safely, route wiring to battery making sure to clear muffler, exhaust pipes, drive shaft and any sharp or potentially hot objects. Tie strap all wiring securely. Re-check all routing and tie straps.

STEP 6 - To avoid arcing, connect the positive wiring to the battery first and then the negative terminal wiring second. **DO NOT ATTACH NEGATIVE TERMINAL FIRST.** Tie off excess wiring in a safe place.

Motorcycle Unit Operation

ToyTrax is designed to provide many years of safe and reliable use. The instructions on this page are provided for informational purposes only and are not to be used for actual installation and operation. Current instructions are provided by the Manufacturer with each unit. The Manufacturer's Installation and Operation instructions should be followed carefully.

To Load Your Motorcycle

- Stop vehicle on level terrain. On Shorty version of ToyTrax, remove pin from stowed position of rear tire plate and re-locate to the rear of upper rail.
- Check attach bolts at front of ToyTrax unit to make sure they are tight.
- From the rear of the transport unit, remove the transport pin.
- From the front of the unit, insert remote control plug into the remote control socket on the solenoid.
- Check operation of the transport unit by momentarily pushing the winch power switch to the OUT position and then to the IN position.
- Push and hold the remote control switch to the OUT position. At the same time pull back on the upper frame rails until it drops down and extends to the ground. **Now, check that the upper frame rail rollers are 1/2" to 1" from ground.** This will allow critical full extension of the rails. Adjust chain links at the front of the unit, as necessary, to ensure the rail rollers are 1/2" to 1" off the ground. Then, pull the safety pin that locks the cradle trolley. This will allow the cradle to slide down the track and rest on the ground. Pull back on the cradle trolley lever and tilt cradle back.

WARNING - Make sure power unit towing strap is straight and not twisted.

- Pull motorcycle into cradle and tie it down to the rings on the crossbar making sure to choose a point on the frame of the bike, just below the handle bars. This will ensure that you have a proper forward leaning tie-down angle to keep the bike in the cradle. Secure tie-downs loosely - just enough to hold

the motorcycle straight. **DO NOT TIGHTEN DOWN ON THE FORKS TO ELIMINATE SHOCK TRAVEL. THIS MAY HINDER THE CRADLE FROM CAMMING OVER.**

NOTE - For Gold Wings - Choose 2 points on left and 2 points on right to tie-down front of bike. Choose points just below the handle bars and use ratchet tie down straps only. Soft loops are available to protect the chrome. **DO NOT TIGHTEN DOWN ON THE FORKS TO ELIMINATE SHOCK TRAVEL. THIS MAY HINDER THE CRADLE FROM CAMMING OVER.** After bike is pulled into the vehicle and for added security, Bar Harness together with ratchet tie down straps may be used for transport. Bar Harness is a cup with hook that attaches to handle bars and allows faring clearance. **DO NOT USE BAR HARNESS FOR FRONT TIE-DOWN WHEN PULLING INTO CRADLE OR DAMAGE TO THE HANDLE BARS MAY RESULT.**

- Temporarily, place the front pin into the hole at the top of the upper frame rail and place the rear pin through the upper frame rail and under the trolley cradle at the highest and closest position to the front of the cradle. This will hold the bike in position as well as preventing it from rolling up the rail. Now, push the remote switch to the IN position until the cradle cams over and locks. Remove both pins.
- Push the remote control switch to the IN position. This will start the transport unit pulling the motorcycle up the ramp. Once the trolley cradle is up to the top of the rail, insert the front pin and clip.

WARNING - Tailpipe and rear fenders are the low points. As you load, check for adequate ground clearance at these low points. If clearance is minimal, an optional portable ramp is available to lower angle of ascent.

- Now, push the remote control switch in the IN position until your motorcycle is pulled completely into the vehicle.
- Insert the transport safety pin after the unit has stopped and is pulled fully into the vehicle.
- Attach the two rear tie down straps from the motorcycle frame to the ToyTrax rear tie down rings.

To Unload Your Motorcycle

- Stop vehicle on level terrain.
- Remove rear tie-down straps.
- From the rear of the transport unit, remove the transport safety pin.

WARNING - Make sure power unit toe strap is securely attached to front cradle. This strap must be kept tight at all times during loading and unloading. If power unit tow strap is not securely attached, damage to the motorcycle and/or personal injury may result.

- Make sure front tie downs are tight enough to hold bike upright.
- From the front, insert the remote control plug into remote control socket.
- Push the remote control to OUT position, while giving a pull on your motorcycle to start the outward motion. Hold the remote control switch in the OUT position until the unit is fully extended.
- Remove the trolley cradle pin and continue to lower the unit to the ground, releasing the trolley cradle lever to allow front tire to continue to the ground.

WARNING - NEVER allow any slack in the winch strap when starting the motorcycle down

- Unhook the motorcycle from tie down straps. Unhook strap opposite kick stand first to allow motorcycle to come down on kick stand.
- Back the motorcycle up a few feet.
- Push the remote control switch to the IN position to pull the transport bunk back into the vehicle and into the transport position, inserting trolley cradle pin and clip as well as transport safety pin and clip.

[home](#) | [motorcycle lifts](#) | [pwc lifts](#) | [boat lifts](#) | [docks](#) | [shipping - returns](#) | [contact us](#)

All items © Copyright 1999-2001 Piper Sport Racks, Inc. All Rights reserved