FLATBED TRUCK MOUNTED GUARDRAIL SYSTEM
INSTALLATION INSTRUCTIONS & OPERATORS MANUAL

CART AND LADDER

RAILING AND POCKETS

Keep this Manual with the Flatbed Truck Mounted Guardrail system at all times. This will allow new users to read it before installing and using this system. It is the Flatbed Truck Mounted Guardrail owner’s responsibility to ensure that all workers installing and using this system are thoroughly trained. Provide workers with this Operator’s Manual and make sure they understand its contents. Read it to them if necessary. Letting poorly trained workers install or use this system can result in property or machine damage and/or serious injury or death to personnel.

WARNING! THIS SYSTEM IS DESIGNED FOR USE ON FLATBED TRUCKS ONLY. ANY OTHER USE CAN CAUSE SERIOUS INJURY OR DEATH TO PERSONNEL.

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FALL PROTECTION EXPERTS SINCE 1997
BEFORE INSTALLING SPEED GUARD SYSTEM: READ, UNDERSTAND AND FOLLOW THESE INSTRUCTIONS FOR INSTALLING AND USING SYSTEM. FAILURE BY INSTALLER OR USER TO FOLLOW ANY OR ALL OF THESE INSTRUCTIONS COULD CAUSE SERIOUS INJURY OR DEATH

SECTION ‘A’ INSTALLING SPEED GUARD CLAMP-ON SYSTEM

Step 1. Securely attach a Clamp on each rear corner of trailer using a fully charged impact wrench supplied with system. Clamp is adequately tightened when no movement is observed when physically trying to pull clamp off truck.

Step 2: Install (1) 7’6” railing into each clamp with the loose end of the rail sitting onto of the truck bed. This will give you the proper spacing for the second clamp. You can usually count the pattern spacing of the truck stake pockets to determine spacing of the third and remaining clamps. Once all clamps are installed on one side of truck, simply go to other side of truck and install clamps directly across from the first side.

Step 3: Next insert all the railings into the clamp holders. When you get to the last rail on each side you will insert the shorter 68” rails.

Important Note: To install railings from the ground, simply insert one end of the railing into the clamp holder and slide your hand to the other end and lift railing into the next clamp. Do not try to lift both ends of railing into the clamp holders at the same time – it’s too tall for most people.

Step 4: Position the Stairway up against the left rear corner of the trailer. Crank down on each jack until the rear wheels of the Stairway come off the ground.

Step 5: Install the 5 foot railing into the first clamp on the right rear of the trailer and into the rail holder on the Stairway.

Step 6: Climb up Stairway and open small swing gate (with chain) out until it contacts the first railing on the left side. Wrap chain around railing and lock into slot on the gate. This will close off any space between the Stairway and the first clamp. Installation is now complete.
The Clamps can be adjusted to fit various Trailer sides and avoid obstacles below Trailer Bed by pulling the Spring Plunger on lower Jaw of Clamp and sliding Jaw Extension to the desired length.

Make sure Plunger fits into 1 of the 4 holes on side of Jaw Extension to secure the Extension in place.

SECTION ‘B’ PHOTOS OF TYPICAL CLAMP INSTALLATIONS

Fig 1. Installation onto Trailer with bottom flat bottom on Channel. Channel is minimum ¼” thick.

Fig 2. Installation on “C” Channel Trailer

Fig 3. If necessary to avoid obstacles below Trailer, Clamp can be taken apart and inserted inside of Strapping Bar on side of Trailer.
Fig 4. Installation of Clamp on Thin-sided Channel Trailer Sides. Use this method when channel is of thin material and would buckle if clamped as shown in Fig 1.
Installing “Stake Pocket” Rail Holder System on Truck Bed:

**Warning!** Stake Pocket Rail Holders and Rails are to be installed by a person standing on the ground or floor.

Step 1: Insert Stake Pocket Rail Holder in the Pocket at the rear of the Truck Bed.

**DO NOT INSTALL SYSTEM WHILE STANDING ON THE TRUCK BED. FALLS FROM TRUCK BED CAN CAUSE SERIOUS INJURY OR DEATH!**

INSTALL THIS SYSTEM WHILE STANDING ON THE GROUND!

Looking at the Truck, notice that the Stake Channels are placed 2 feet on-center from each other plus a Channel on the corner of Bed. Do not use the corner Channel. Use the first Side Stake Channel as shown.

Step 2: Insert Rail Holder in every fourth Stake Channel on Bed until you have installed all 7 Rail Holders. Repeat this procedure on the other side of Truck Bed.

Step 3: Insert Railings into Holders by first placing one end of railing into the first Holder. Then, holding other end of railing, lift it into the next Holder. A typical 45 foot Flatbed will use (5) 7’6” Railings and (1) 68” railing along each side of Truck Bed. Never attempt to grab a Rail in the middle and try to insert both ends of rail into Pockets at the same time. Refer to the figure above for proper sequence.

Repeat this installation procedure on the other side of the Truck Bed.

Step 4: Position the Stairway up against the left rear corner of the trailer. Crank down on each jack until the rear wheels of the Stairway come off the ground.

Step 5: Install the 5’ railing into the first clamp on the right rear of the trailer and into the rail holder on the Stairway.

Step 6: Climb up the Stairway and open the small swing gate (with chain) out until it contacts the first railing on the left side. Wrap the chain around the railing and lock into slot on the gate. This will close off any space between the Stairway and the first clamp. Installation is now complete.
Installing “LADDER” Stake Pocket Rail Holder System on Truck Bed:

**Warning!** Stake Pocket Rail Holders and Rails must be installed by a person standing on the ground or floor.

Install Ladder in a location that will allow safe access to the bed of the truck. You will need room to step on and step off the ladder at both the bottom and top of the Ladder.

Install a Rail Pocket and Rail with Gate on one side of the ladder. Next install Rail Pockets in every 4th stake channel on this side of truck bed. Install Rail (while standing on ground) into each Rail Pocket as described on page 6. Repeat this Rail Holder and Rail installation on the other side of truck bed.