

TULMAR
ENGINEERED FOR PROTECTION

CLASSROOM GIRT TRAINER

6446-001

User Manual P/N: 53048-001



Tulmar Safety Systems

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REVISION HISTORY

This revision history is to serve as a record of the changes to this manual. The record includes the revision letter, the date of the revision, the page(s) affected, and a brief description of the change.

Rev	Date	Pages Affected	Brief Description
A	2025-08-08	All	Original Release

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1. CLASSROOM GIRT TRAINER OVERVIEW

Tulmar Safety Systems' Classroom Girt Trainer is a dual system meant to replicate the real effort and range of motion necessary for the inflation of an evacuation slide during an emergency event where manual inflation is required on one side; and the motion of detaching (ditching) the girt of a slide on the other side.

The girt trainer is designed for ease of use, transport and storage, with a simple setup, reset and teardown. All this, while offering a pull force of 30lbs to simulate slide release. Setup, transport, storage and teardown can easily be done by a single person, and use requires only two individuals.

These girt trainers bear the name "classroom" as they are intended for use within a classroom or any other training space where sufficient floor space (minimum of 6' x 4' (183cm x 122cm), with extra space for groups with more than 2 individuals – Ensure installation space with an arm span room all around trainee).

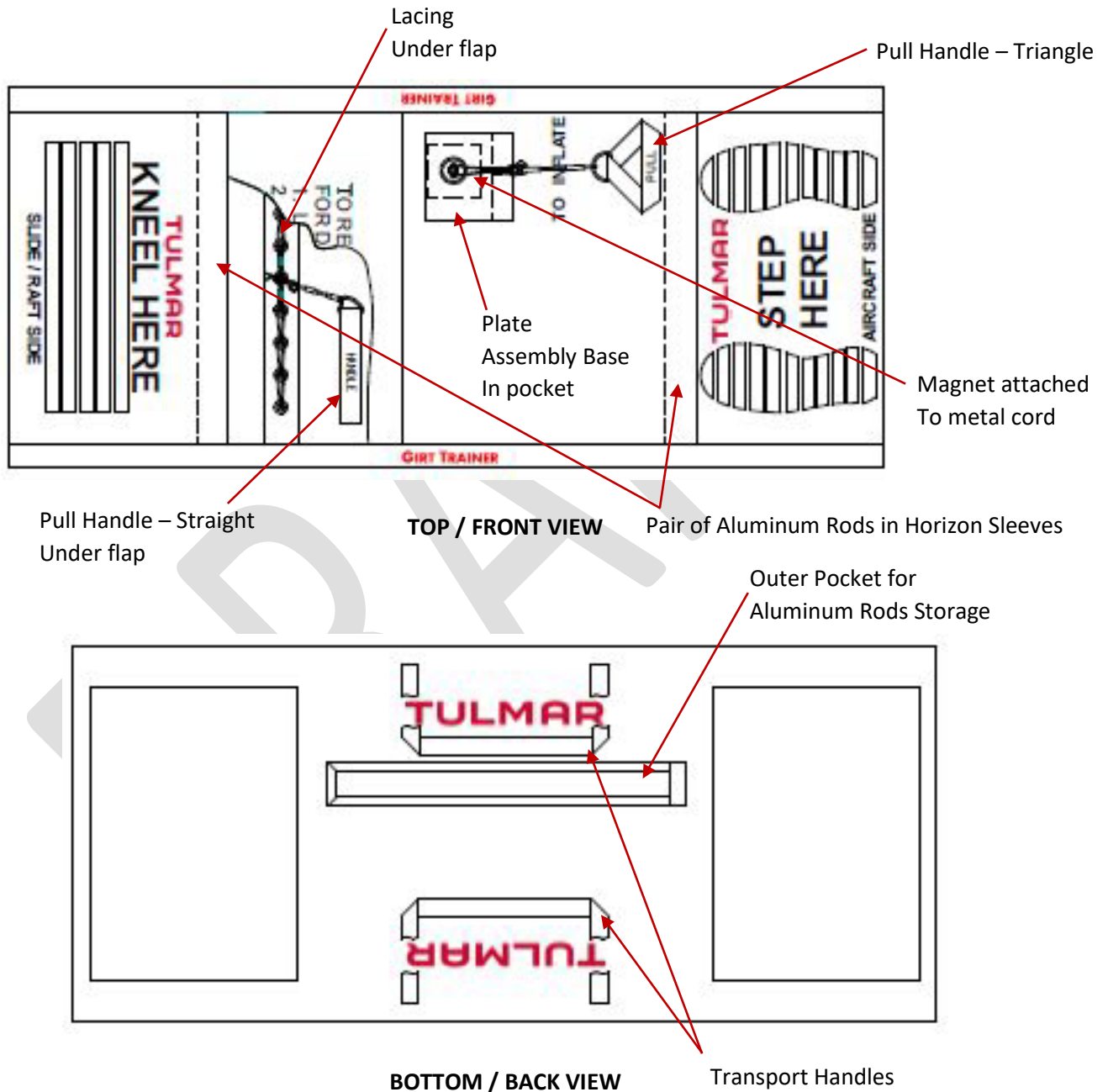
Girt trainer dimensions, when splayed to their full size, are 4' L x 1' W (122cm x 60cm) and weight 5lbs. (2.2kg).

The trainer is constructed of a dark and robust textile for base of the product, including the stepping area at each end of the girt trainer and underneath, which doubles as the trainer's embedded transport valise. The surface replicating the slide girt is built of a medium grey robust outdoor UV, mildew resistant color preserving, marine and awning industry material. The detachment lacing is situated under a flap of grey fabric and made with robust, cord loops for easy braiding. The pull to inflate side includes a red webbing handle for a solid grip and a grip plate assembly, inserted into a fabric pocket, manufactured for the simulation of the pull force and motion. Stenciled markings and instructions are visible where required.



2. CLASSROOM GIRT TRAINER FEATURES & EQUIPMENT

Tulmar Safety Systems' Classroom Girt Trainer is a dual system with two (2) functional sides. See below for the location of all key items and markings.



2.1 List of replaceable parts

Tulmar's Classroom Girt Trainer includes a list of parts that can be replaced to extend the life of the product:

- Pull Handle – Straight (includes cotter pin)
- Pull Handle – Triangle (includes cable, shock cord & magnet)
- Aluminum Rods (Pair)
- Plate Assembly (not including magnet or pocket – see “Pull handle – Triangle” for magnet)

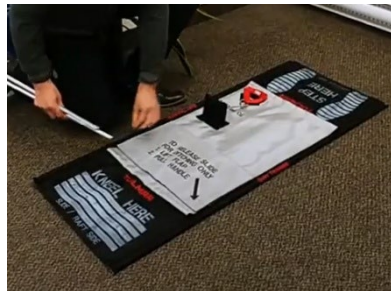
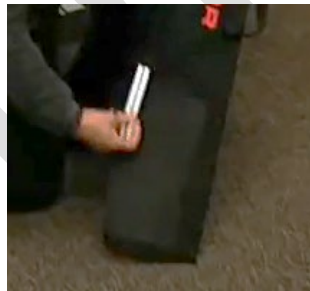
3. GENERAL OPERATIONS

To use Tulmar's Classroom Girt Trainer in training, first you need to setup. Transport the folded girt trainer by the black webbing transport handles.

SAFETY DISCLAIMER: Setup the Classroom Girt Trainer in an area with reasonable arm length space around the users, to minimize the risk of hand collision (objects or people) or magnet collision when it pulls loose during use.



Remove the Aluminum Rods from the outer pocket and set the girt trainer on the floor, in the area selected for the training. Black side facing down, grey fabric visible at the top. Unfold and lay flat.



Laterally insert each aluminum rod in the sleeve at each end of the grey fabric section. This ensures the trainer remains flat and rigid during training. The girt trainer is now ready to be used.



Train as per your center's training guidelines. Ensure that one person stands (or kneels) on each end of the girt trainer, as indicated by the markings ("Kneel here" / "Step here") to ensure stability of the trainer during training. **Safety Precaution:** Ensure no one is standing directly behind the trainee.



3.1 Inflation Simulation

To simulate inflating an evacuation slide, grab the red triangle pull handle (with the marking "Pull" on it) and pull as per trainer's instruction. The pull should be a quick jerk motion to simulate a 30 lbs pull force. On a successful pull, the magnet will come loose from the plate assembly.

Note: Do not over pull the shock cord. The shock cord is a part of the design meant to ensure that the triangle pull handle does not get lost and remains close to the Girt Trainer assembly. As a safety, this also minimizes the risk of accidentally throw of the handle should it slip out of the user's hand when pulling.

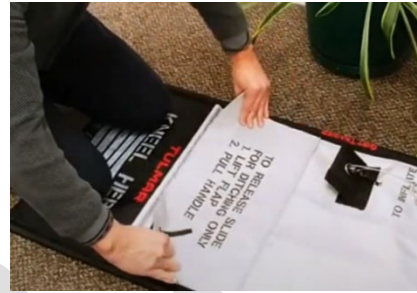
3.2 Ditching Simulation

To simulate ditching, lift the fabric flap to access lacing. To release the lacing, pull on the straight white pull handle. The simulation of the ditching is a motion and visual simulation.

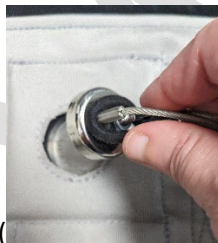


3.3 Resetting the system

To reset the ditching side, simply relace in the pin of the straight pull handle. Place the webbing straight handle back on the Velcro patch and fold the flap back over, securing over the line of loop & hook.



To reset the inflate simulation side, hold the plate assembly base firmly, and place the flat end of the magnet back on the open circle, until the magnet clicks back in place. Place the red pull handle back on the Velcro area.



The system is now reset and ready for the next trainee.

3.4 Teardown.

We recommend resetting the system prior to teardown, as described above. Then remove the aluminum rods from each sleeve. Fold the girt trainer in half, alongside the long edge, with the outer pocket facing up. Insert both aluminum rods in the outer pocket and secure the Velcro flap. Grab the black webbing handles for transport. The Girt Trainer is now ready for transport and / or storage.



4. GENERAL CARE AND MAINTENANCE

The care and maintenance of the Classroom Girt Trainer is simple. A regular cleaning after every use (after a complete training session, not between trainees) is recommended. Remove any larger amount of dirt, usually gathering to the ends where users are expected to stand by lifting the girt trainer using one of the side handles. Gently tap to the back to loosen any potential clump of dirt at the standing point. Put back down on a different, clean surface.

Using a moist (wet but not dripping) cloth, wipe the general surface (front and back) of the girt trainer. If you wish to sterilize high contact areas, remove the pull handle. You can submerge the handle, thread and pin in warm water and scrub with mild detergent. Dry any metal part thoroughly before re-installing the handle.

Use mild detergent to scrub high touch area on the flap and lacing under the flap (slide/Raft slide), then use a clean moist cloth to rinse off. Let air dry.

DISCLAIMER: The use of harsh chemicals risks damaging the fabric and shortening the life of the product and will cause discoloration of the fabric & webbing.

4.3 Storage

Store the folded girt trainer, with the aluminum bars in the outer pockets, in a temperate, dry space. Avoid storage in extreme cold (-20°C and below) or extreme heat (+30°C) as the temperatures could cause damages to the fabric; avoid moist areas as the moisture could rust the metal parts.

5. REPAIRS PROCEDURES

Common breaks and needs for repairs in the Classroom Girt Trainers are with the parts undergoing the most stress, which is the area where the pull force and motion are simulated. If the pull force feels as though it lessens, Tulmar recommends replacing both the plate assembly and pull handle (triangle).



Recommendation: Tulmar recommends replacing the plate assembly at least every 3-5 years, depending on the training volume where the girt trainer is used.

Shock Cord replacement

When changing the magnet with the pull handle, the Shock cord needs to be changed. This can also be done in the event the cord itself underwent damages or a break. To change the shock cord....

For lost parts, meaning the pin and triangle pull handle, the straight pull hand or aluminum rods, contact Tulmar (aviation@tulmar.com) to order replacements. To install, see the resetting instructions in section 3. of this user manual.

For any large tear or break in the main fabric of the girt trainer, Tulmar recommends replacing the Classroom Girt Trainer.

6. SERVICE PARTS LIST

The following table lists components available for the Classroom Girt Trainer. If you are looking to replace a part that is not listed below, please contact TULMAR SAFETY SYSTEMS.

SERVICE PARTS

Description	Tulmar Part No.
Complete Classroom Girt Trainer Assembly	6446-001
Pull Handle – Straight (includes cotter pin)	87478-003
Pull Handle – Triangle (includes cable, shock cord & magnet)	87479-003
Aluminum Rods (Pair)	4790-002
Plate Assembly (not including magnet – see “Pull handle – Triangle” for magnet)	85762-001

Table provided for reference only, information may change without notice.

For pricing, please contact Tulmar Safety Systems Inc.

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