



# RANDY 9000

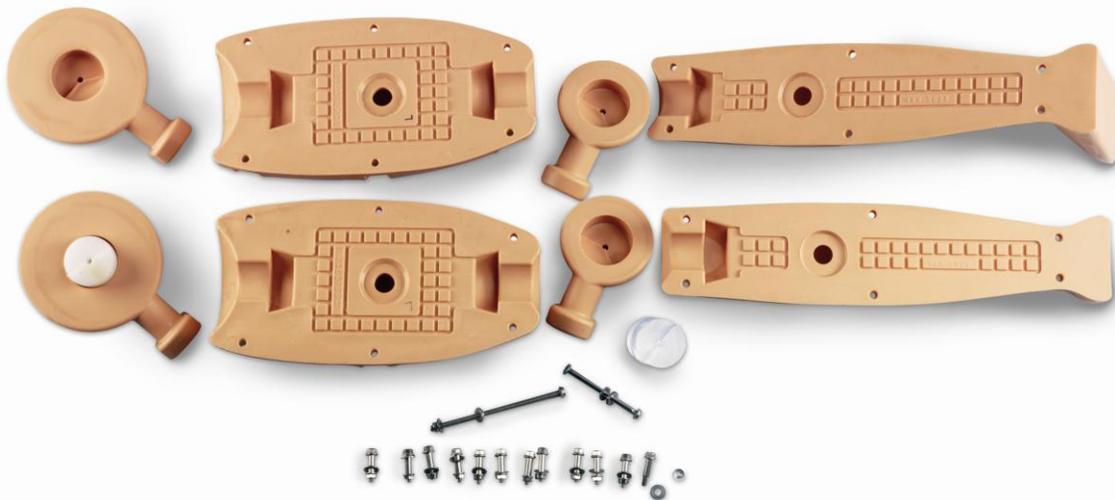


## Instruction and Care Manual

## Product Instructions

Thank you for purchasing this Simulaids Training Device. The purpose of this document is to familiarize you with the assembly process and to explain the use and care of the product. This product, Randy 9000, is intended to be used in water, land or air rescue evolutions, particularly in exercises that are too dangerous to be dependent upon volunteers. The product is warranted against defects in materials or workmanship for a period of three years. However, this warranty coverage does not include damage due to abuse, misuse, or alteration of the product.

You will receive this product in various pieces, the majority of which are "halves." These halves are the front and back portion of each body part. For instance, the lower leg is made up of the front half with the foot and the back half with the heel. Within each of the ball joints reside a ball joint stop to limit the range of motion, making three plastic parts to each joint and the associated nut/bolt/washer combination. Put the ball joint assemblies together first. Then begin your assembly process, lay out each of the parts in their relative position so that you can visualize the various parts. There are four 4" ball joints for the knees and elbows, two 5" ball joints for the shoulders, two 6" ball joints for the hips plus the one 8" ball joint in the mid torso. The 8" ball joint utilizes the single joint stop that has a larger bolt hole diameter than the rest.



The above photo shows one leg assembly front and back halves with hardware.

You will also find a package of hardware. The stainless steel nuts and bolts hold together the halves of the lower leg, upper leg, pelvis, torso, lower arm, upper arm, etc. The 6 Acorn Nuts are for use in the hand area where the threads for the common bolts may need a smooth covering. There are also longer bolts for installation in the ball joints. The sized and shouldered bolts furnished with this product prevent you from over tightening the bolts, thereby cracking the plastic. If you lose any of these bolts, we strongly recommended that you contact Simulaids to obtain replacement parts shown in the chart below. Also within the packaged contents are the tapered, hole-stoppers: 2 small, green ones for the waist ball joint seals and 25 larger, black ones for the rest of the body parts. Each body part half has a hole in which you may place weight material for custom weighting your Randy 9000. It is important that you insert all of the stoppers in their perspective holes in each half, even if you are not filling both

halves. This not only preserves the stoppers for later use, but also allows the stopper on one side to hold and seal the stopper on the other as the parts are bolted together.



Hardware found in the carton of the Randy 9000

Component	Description	Qty per
PP0011	Bolt 18-8 Stainless Oal 6"	2
PP0012	Bolt 18-8 Stainless Oal 8"	1
PP0024	Plug Round Tapered 1" Height	1
PP0029	Stop 2" Diameter X 1.90" Long	8
PP0036	Acorn Nut High Crown 10-24 Ss	1
PP0054	Nutdriver 1/2" Hex Dia 3/8"	1
PP0055	Nutdriver 7/16 Hex Dia 3/8"	1
PP0056	Nutdriver 3/8" Hex Dia 3/8"	2
PP0085	Locknut 1/4-20 18-8ss Serrated	1
PP0096	Carton Paperboard 3x2x 5 1/4	2
PP0114	Plug 5/8" Large End Id Push-in	2
PP0116	Stop 2" With 3/8" Hole	1
PP0156	Bolt 3/8 Hex Hd Indented 70pk	1
PP0160	Washer Flat 18-8 Ss 1/4 Screw	1
PP0162	Nut Flange Serrated Hex 18-8ss	1
PP0163	Bolt 18-8 Ss Oal 4" Pkg Of 4	1
PP1133	Carton 8 X 6 X 6 Ect #32	1
PP5541	Bolt 18-8 Stainless Oal 5"	1

If all of the parts are filled with water, the manikin will weigh 170 pounds. If all of the body parts are filled with dry sand, the manikin will weigh 250 pounds. It is recommended that if you want to make a lighter manikin that you do so by completely filling one half of an extremity so that the weight doesn't shift during the movement of the manikin and disrupt any balance achieved by the rescuers. Another way to make a lighter manikin is to only fill one half of any extremity. For instance, if you fill one half of the right thigh and no other parts of the right leg, the manikin will be lighter than if you also fill one half of the lower leg.

Once you have determined the appropriate parts to fill, the substance you want to use to fill them, and the number of parts to fill, and have accomplished the filling process, start the assembly of the manikin by laying the back pieces of the manikin in their relative position. Then place the ball joints in their respective locations throughout the body. Take note that the knee joints and the elbow joints have limited range of motion in one direction. It is possible to put these joints in backward, or 180 degrees out of alignment. It will be easy to see in the lower leg since the foot will be backward. If that's the case, simply turn the ball joint over in the lower leg so that the stop points the toes the other way. The same holds true with the elbow joints and the lower arm positioning. Or, in other words, you may end up with an arm that only bends backwards. Simply change its position to the other side of the manikin so that the forearm bends forward, or reverse the positioning of the ball joint.

You'll note that the ball joint ends are held firmly in place by the addition of the front half of the body parts. During the placement of the front halves, you may choose to insert the hardware and start securing the bolts. Do not tighten all of the bolts until the manikin is fully assembled in case you have not anticipated the need to either fill or drain one of the parts. Once you are satisfied that the manikin is weighted and constructed appropriately, secure the bolts down to their tightest torque. Mentioned earlier in these instructions is the fact that these shoulder bolts

are sized to hold the parts together without stressing the plastic, so the only damage you can do if you over tighten the bolts is destroying the nut or bolt.

If, in the future, you want to transport the product but wish to lighten your load, you may simply remove the pelvis section and have the upper and lower pieces of the manikin to move. This will save time and effort and prevent having to unload each of the pieces every time you move it.

### **CLEANING AND STORAGE**

When water is used for weighting the manikin, add two drops of commercial laundry bleach to each part that contains water (increase this to 5 drops in the larger parts like the chest). This will kill all bacteria in the water and effectively prevent having to empty the water under normal conditions.

Do not leave the water in the manikin if there is any possibility that the water will freeze. Some freezing prevention can be ensured if you include the proper amount of recreational vehicle non-potable water antifreeze in the parts. The Randy 9000 is made from polyethylene, so none of these chemicals will damage the product. If you empty the anti-freeze liquid out of the manikin, be sure to dispose of the fluid properly.

Normal surface cleaning of the manikin can be done with any household cleanser.

Use of this product in very warm climates is approved, but it is not fire proof; the warmer the weather, the more pliable the plastic. Extremely cold temperatures puts plastic at risk of cracking, so handle the manikin gently, as you would a patient, in near freezing conditions. However, under most human tolerance temperatures, the product will remain useable.

#### **Shipping Size:**

Carton size: 54 x 25 x 11 inches

Shipping weight: 90 lbs



Randy 9000 Fully Assembled

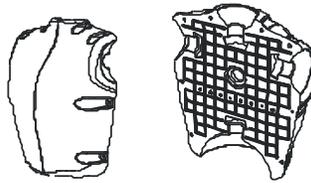
**Randy 9000 Replacement Hardware**

<u>Plastic part</u>		<u>Bolt Item</u>
<u>#</u>	<u>Description</u>	<u>Package</u>
9023	Shoulder joint	PP5541
9018	Hip Joint	PP0011
9015	Waist Joint	PP0012
9012	Knee and Elbow joint	PP5540
	All other body parts	PP5495

# Randy 9000 Plastic Parts Replacement List

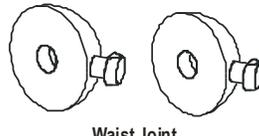
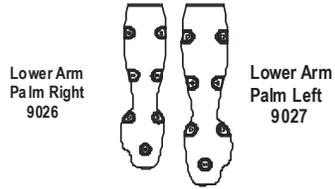


Head Sa959

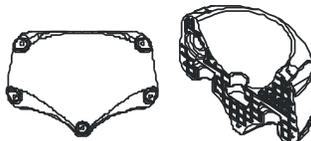
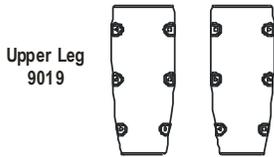
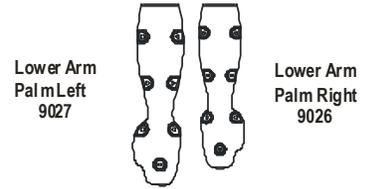


Chest Front  
9013

Chest Back  
9014

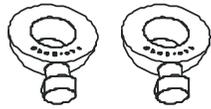
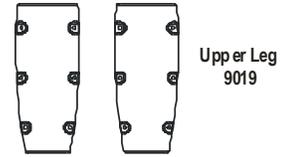


Waist Joint  
9015

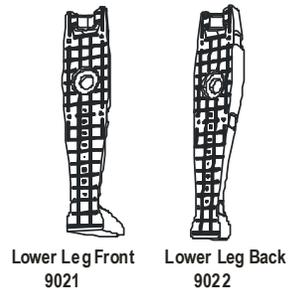
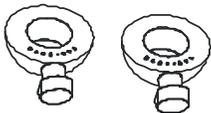
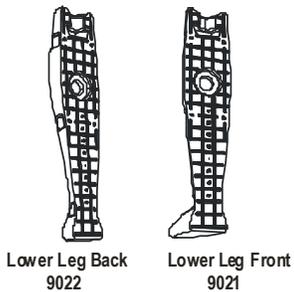


Pelvis Front  
9016

Pelvis Back  
9017



Thigh Jo int  
9018



Contact Customer Service for replacement hardware

**WARRANTY:**

Simulaids warrants their products to be free from defects in materials and/or workmanship for a period of three years from the date of purchase, as evidenced by the date on the invoice of the product shipment to the end user. This warranty expressly does not cover abuse, accidental or purposeful damage, or any form of modification to the product. This warranty does not cover moulage products. Only products manufactured at the Simulaids plant in Saugerties, NY receive this limited warranty status. All other products sold through Simulaids, but manufactured elsewhere, are subject to the warranties supplied by the product manufacturer. These warranties may differ from the Simulaids' warranty.

Simulaids reserves the right to either repair or replace affected parts or the entire unit, at their sole discretion, after investigating and reviewing the actual product and the damage. In most instances, a digital photo of the product in question showing the damage will help qualify a product for return to the factory.

**RETURN POLICY:**

At no time will any product be accepted without proper return authorization issued by Simulaids. Please contact our Customer Service Department to arrange a return and obtain a RGA number. Freight and Shipping charges are the sole responsibility of the end user. No product will be received with shipping charges due. Serial number and invoice number from the agency through whom the product was purchased must be provided for warranty repairs. No return authorization number will be provided without this information.

Should you have any questions or wish further information on any product we manufacture call or write our Customer Service Department.



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