

PUBLIC SAFETY



SIMULATIONS

*NAR Simulation
Product Guide*



NORTH AMERICAN RESCUE®

Simulation



TOMManikin®

BASIC | BLAST | GSW | WATER | CONFINED SPACE | BURN | CBRNE | FEMALE

Rugged, state-of-the-art training simulators, NARS TOMManikin® Series provides the comprehensive solution for enhanced training in Tactical Combat Casualty Care (TCCC) from Point of Injury to transfer of higher care!

- **All-in-one, hyper-realistic trauma simulation solution** enabling instructors to build multiple realistic traumatic casualty scenarios with reactive patients
Ideal for use in classroom settings, trauma lanes and field training scenarios
- **Multiple, interchangeable extremities** present a variety of wounding patterns to provide full mission profiles in combat scenarios and disaster/mass casualty re-creations
- **Solid metal bones and joints** constructed of welded steel for unparalleled durability and quick exchange leg joints for flexibility in the most austere environments
- **Proprietary silicone skins** available in light, medium or dark skin tones that will not break down during prolonged UV exposure or extreme temperatures
- **180 lb manikin** provides extremities capable of withstanding up to 6,000 lb of pressure - Ideal for building collapse/entrapment training scenarios beyond conventional exercises
- **Ruggedized remote controls** provide simultaneous long-range communications with multiple NARS devices all from a single device!



SPECIAL FEATURES

Interactive Animatronics:

- Lifelike Breathing Mechanisms
- Functional Anatomical Airway
- Variable Radial Pulse Rates & Pressure
- High Fidelity Bleeding from Multiple Wounds
- Customizable, Multi-language Voice Tracks
- Rugged Softech® Skin in a variety of skin tones

Wireless Controls:

- MILSPEC Wireless Remote Instructor Tablet & Software
- Stand alone point-to-point communications with .5 mile line of site range

Flexible Wound Configurations:

Basic | Blast | GSW | Water | Confined Space | Burn | CBRNE
Custom configurations including Female Anatomy on request

Clinical Interventions available on ALL TOMManikins:

MASSIVE HEMORRHAGE:

- **Tourniquet Application** (proximal, junctional & abdominal)
- **Active Bleeding Control** by Direct Pressure on Pressure Points
- **Wound Packing**

ADVANCED AIRWAY:

- **Nasopharyngeal/Oral/Supraglottic Airway** Insertion
- **Endotracheal Intubation**
- **Surgical Airway** and **Tissue Dissection** with Realistic Bleeding

RESPIRATIONS:

- **Chest Seal Application**
- **Bilateral Needle Decompression**
- **Chest Tube Capable**

CIRCULATION:

- **CPR Chest Compressions**
- **Antecubital IV Access** on uninjured upper limbs
- **IO** (sternal & humeral)



NORTH AMERICAN RESCUE®
Simulation



Every TOMManikin® includes:

ACCESSORY KIT

- 2 x NiMH rechargeable batteries (5-amp & 10-amp) with independent chargers
- 1 x T-handle wrench
- Replacement connectors
- 5-pack of surgical airway neck skins (35 op sites)
- 8 oz concentrated sim blood
- NARS mil spec-rated tablet
- 2 x 3-wheeled transport and storage carriers designed for TOMM

- 1 x NAR® IFAK
- Instructor-worn 2-way communications headset

VELCRO UNIFORM

- Digital pattern
- Sand color scheme
- Blouse features Velcro sleeves and lateral seams
- Trousers feature Velcro inseam and lateral seams
- Button fly

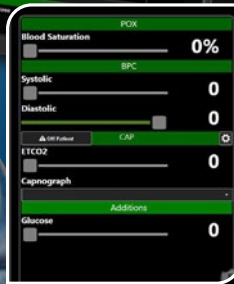
MILSPEC INSTRUCTOR TABLET with Scenario Preset Builder Software

Features:

- Features proprietary communication link that requires NO Wi-Fi, Bluetooth, or LAN connections
- Simultaneous long-range communications with numerous NARS devices
- NO interference risk with telemetry, avionics, or weapon systems

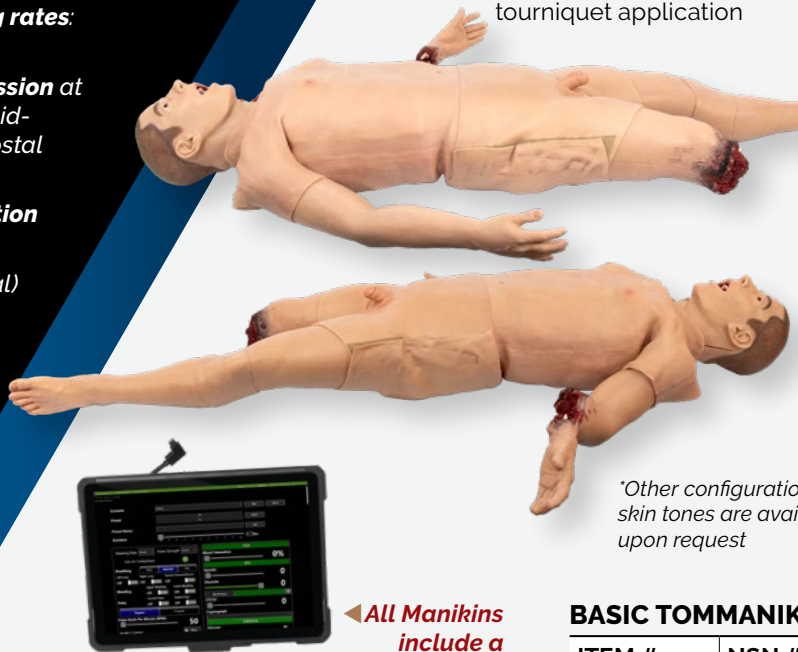
MILSPEC Rated:

- **Operating:** -20 to 60°C (-4 to 140°F) MIL-STD-810G, Method 501.5 Procedure II
- **Storage:** -40 to 70°C (-40 to 158°F) MIL-STD-810G, Method 501.5/502.5 Procedure I
- **Water:** IP65, IEC 60529
- **Drop/Shock:** 26 drops from 1.2 m (4 ft) MIL-STD-810G, Method 516.6 Procedure IV
- **Vibration:** MIL-STD-810G, Method 514.6 Procedures I, II
- **Sand/Dust:** IP65, IEC 60529
- **Humidity:** 0 ~ 95% (non-condensing) MIL-STD-810G, Method 507.5
- **Altitude:** 4572 m (15,000 ft) MIL-STD-810G, Method 500.5 Procedure I





- **Tourniquet Application** (proximal, junctional, and abdominal tourniquets)
- **Active bleeding** controllable by **direct pressure** on pressure points
- **Wound packing** with realistic bleeding control
- **Nasopharyngeal and oral airways, supraglottic airway** insertion and **endotracheal intubation**
- **Surgical airway** with realistic bleeding and tissue dissection 35 operative sites included
- Remote controlled **breathing rates:** Slow, Normal, and Fast
- **Bilateral Needle Decompression** at either 2nd/3rd intercostal (mid-clavicular), or 5th/6th intercostal (mid-axillary) locations
- Realistic **chest seal application** & adhesion
- **Chest Tube** capable (bilateral)
- **Radial pulses** in uninjured upper extremities & bilateral carotid pulses
- **CPR Chest Compressions**
- **Variable pulse rate & pressure** (Normal, bounding, thready)
- **IO** (sternal & humeral) and **antecubital IV access** on uninjured upper limbs



◀ **All Manikins include a MILSPEC-rated instructor tablet**

BASIC TOMManikin®

BASIC Wounding Patterns:

- 1. Partial Arm Amputation below the elbow** with Massive bleeding and dramatic soft tissue damage, exposed hard bone and discernible tissue layers Responds to tourniquet application or brachial artery direct pressure application
- 2. Full Amputation Leg** with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application



**Other configurations and skin tones are available upon request*

BASIC TOMMANIKIN®*

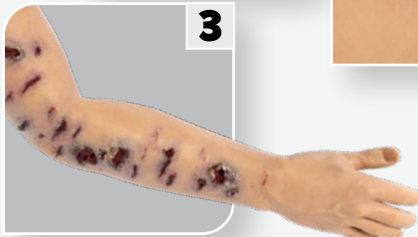
| ITEM # | NSN # |
|---------|------------------|
| 93-0035 | 6910-01-705-3108 |

BLAST TOMManikin®

BLAST Wounding Patterns:

- 1. Open Jaw Fracture Head Skin** with massive maxillofacial bone and soft tissue injuries, actively bleeds. Supports OP/NP/ET/ Surgical airways
- 2. Packable Abdominal Evisceration** with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with "clampable" vessel
- 3. Shrapnel Wound Arm** with active bleeding, multiple soft tissue wounds, responds to tourniquet application
- 4. Full Amputation Leg** with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application

**Other configurations and skin tones are available upon request*



BLAST TOMMANIKIN®*

| ITEM # | NSN # |
|---------|------------------|
| 93-0036 | 6910-01-705-3094 |



GSW (Gun Shot Wound) TOMManikin®

GSW Wounding Patterns:

1. GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

2. GSW to Groin with GSW anterior entry/posterior exit with soft tissue trauma to penis and avulsed scrotum with prolapsed testicle. Wounds present with peripheral wound site ecchymosis, exposed sub-q fat layer and muscle striation. Entry wound is packable and responds to both peripheral and junctional tourniquet application and femoral pressure point application

3. GSW Leg with through & through GSW to leg above the knee. Entry wound presents with small entrance hole with circular powder burn. Exit wound has exposed fat and wound site ecchymosis. Variable bleeding rate. Responds to both peripheral and junctional tourniquet application and femoral pressure point application. Can be used as an impaled object using steel rebar, or wooden stake

4. Full Amputation Leg (Option)** with massive bleeding, extensive soft tissue damage, exposed hard bone, visible tissue layers. Responds to direct junctional pressure and tourniquet application

**Other configurations and skin tones are available upon request*



Addressing injury locations based on US Army study suggesting females who suffer penetrating injuries to chest, abdomen, pelvis have a higher mortality rates than male colleagues

TAMikin™ GSW

Female version of TOMManikin® GSW, with anatomically correct female features and voice

- Injuries located in sensitive areas such as under breast & pubic area as well as the leg
- Parallels GSW TOMManikin's capabilities & wounding patterns



**Other configurations and skin tones are available upon request*

****Leg Amputation Option**
93-0369/93-0947

GSW TOMMANIKIN® *

| OPTION | ITEM # | NSN # |
|------------------------------------|---------|------------------|
| GSW TOMM | 93-0040 | 6910-01-705-2593 |
| GSW TOMM (w/Leg Amputation) | 93-0369 | 6910-01-705-3130 |
| GSW TAMikin™ *** | 93-0039 | |
| GSW TAMikin™ ***(w/Leg Amputation) | 93-0381 | |

***Female version

WATER TOMManikin®

Wounding Patterns:

Partial Leg Amputation below the knee with massive soft tissue trauma and exposed hard bone, muscle and tissue layers.

Options:

GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

-OR-

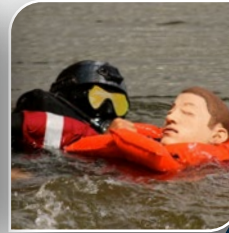
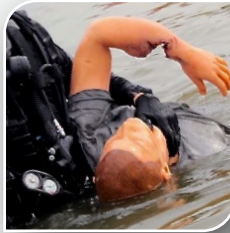
Packable Abdominal Evisceration with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with "clampable" vessel

Closed Fracture Arm with ecchymosis and palpable crepitus.

Designed to be submerged up to 33 feet in either fresh or salt water

WATER TOMMANIKIN®*

| OPTION | ITEM # |
|--|---------|
| Basic (GSW to Chest) | 93-0041 |
| ABD Evisceration Closed Arm Fracture | 93-0108 |



**Other configurations and skin tones are available upon request*

CONFINED SPACE TOMManikin®

Wounding Patterns:

GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

Partial Leg Amputation below the knee with massive soft tissue trauma and exposed hard bone, muscle and tissue layers.

Shrapnel Wound Arm with active bleeding, multiple soft tissue wounds, responds to tourniquet application



**Other configurations and skin tones are available upon request*

CONFINED SPACE TOMMANIKIN®*

ITEM #

93-0110



BURN TOMManikin®

Wounding Patterns:

Burn Face** with 1st, 2nd, 3rd-degree burns to face that supports all airway adjuncts. *Head skin is interchangeable with other TOMManikins*

Burn Arms with 1st, 2nd, 3rd-degree circumferential burns to both arms



BURN TOMMANIKIN®*

ITEM #

93-0037

****Head skin is interchangeable with other TOMManikins**

**Other configurations and skin tones are available upon request*



CBRNE TOMManikin®

Wounding Patterns:

Burn Face* with 1st, 2nd, 3rd-degree burns to face that supports all airway adjuncts. *Head skin is interchangeable with other TOMManikins*

GSW to Chest with anterior GSW entry & posterior exit. Actively bleeds from both locations. Anterior wound mixes with air from onboard compressor to create bubbling bleeding effect. Supports chest seal application and pleural needle decompression

Abdominal Evisceration (Wearable Moulage) with intricate handcrafted attention to anatomical detail with visible tissue layers, and 10 in. of eviscerated bowel with peripheral ecchymosis surrounding large open wound. Massive bleeding with 'clampable' vessel.

GSW to Groin with GSW anterior entry/posterior exit with soft tissue trauma to penis and avulsed scrotum with prolapsed testicle. Wounds present with peripheral wound site ecchymosis, exposed sub-q fat layer and muscle striation. Entry wound is packable and responds to both peripheral and junctional tourniquet application and femoral pressure point application

CBRNE TOMMANIKIN®*

ITEM #

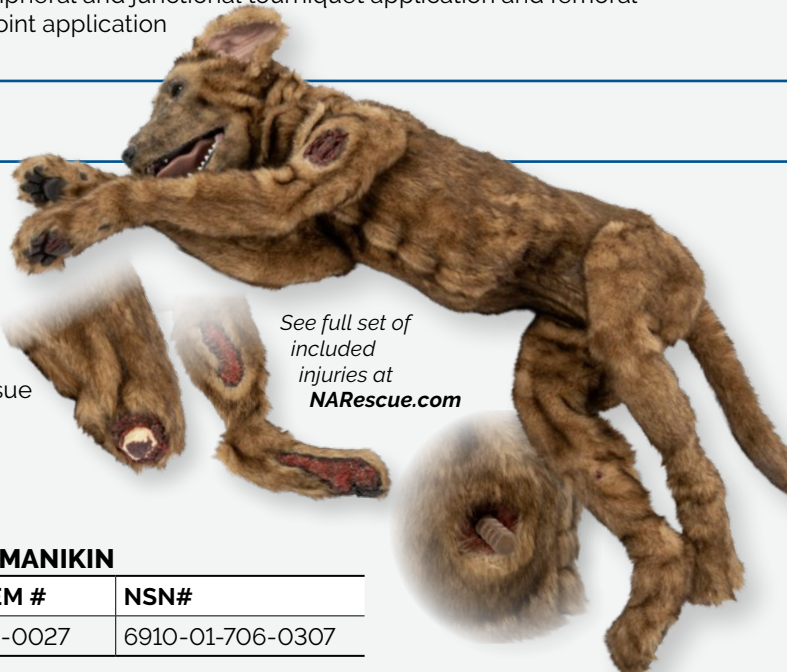
93-0038

**Other configurations and skin tones are available upon request*

K9 Medical Manikin

K9 Features:

- Welded steel skeleton, with solid metal joints
- Expanded joint range of motion
- CPR chest
- 5 interchangeable limbs with various injuries: Complete Amputation, Open Fracture, Soft Tissue Injuries, Road Rash/Burns, & Gunshot Wound
- Life-like airway
- Barks, Bleeds & Breathes
- 1L onboard blood capacity
- Wireless operation via NARS tablet
- Includes K9 wearable wound vest with interchangeable injuries



See full set of included injuries at NARescue.com

K9 MANIKIN

ITEM #

NSN#

93-0027

6910-01-706-0307

TCCC MAN[®] SIMULATOR

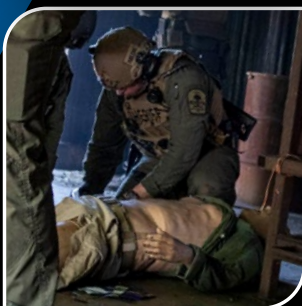
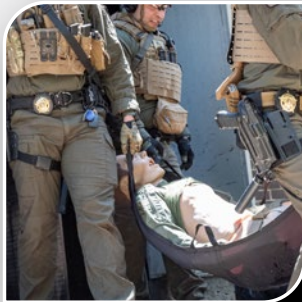
with NARS Instructor Tablet

Rugged, state-of-the-art TCCCMAN[®] training simulator provides enhanced training in Tactical Combat Casualty Care (TCCC) from Point of Injury to transfer of higher care!

- **All-in-one, hyper-realistic trauma simulation solution**

enabling instructors to build **multiple realistic traumatic casualty scenarios** with **reactive patients** ideal for use in classroom settings, trauma lanes and field training scenarios

- Specifically **designed** for the **application of skills** and **education** utilizing protocols for **Tactical Combat Casualty Care (TCCC)**



Features:

- Remote controlled bleeding from multiple sites
- Arterial and venous bleeding
- Quick-exchange Lithium-ion battery
- Large capacity on-board bleeding bag
- Weight 150 lbs
- Industry-leading durability - withstands drops, falls, and drags
- Welded steel frame, steel joints and bones
- Austere environmental use (rain, snow, mud, sand)

TCCC Interventions Supported:

- Massive hemorrhage control (tourniquet application and wound packing)
- Chest seal application
- Pleural needle decompression (multiple sites)
- Airway management (NP/OP airways, supraglottic devices, endotracheal intubation)
- Tibial intraosseous site

TCCC MAN

ITEM #

93-0958

Discover more hyper-realistic **Training Simulators** available at **NARescue.com** today!

MILSPEC INSTRUCTOR TABLET *with Scenario Preset Builder Software*

Disconnect your student's dependency on instructor "over-the-shoulder" input

Kit Includes:

- 1 x Remote instructor tablet
- 1 x Blood reservoir pressure fill tank
- 1 x Velcro digital pattern uniform
- 2 x 3-wheeled deployment-style bags for safe storage and transport
- 1 x NAR Training IFAK
- 1 x Operator's Manual

Injuries Included:

- GSW chest with anterior entry and mid-axillary exit wound
- Deep packable pelvic wound
- Complete below the knee amputation leg (TQ responsive)
- Unstable pelvis with palpable crepitus

TCCC MAN

ITEM #

93-0958

Features:

- Features proprietary communication link that requires NO Wi-Fi, Bluetooth, or LAN connections
- Simultaneous long-range communications with numerous NARS devices
- NO interference risk with telemetry, avionics, or weapon systems



*Other configurations and skin tones are available upon request

Deluxe ALS KIT

Designed to simulate various vital signs for advanced life support monitoring and simulation

Features:

- Simulated NIBP cuff, SpO₂ finger probe, and ETCO₂ inline detector with waveform and digital value
- Simulated cardiac monitor screen with Lead II tracing rhythm
- ETCO₂ & SpO₂ waveforms, NIBP. Fully functional monitor screen for defibrillation/AED mode, alarms, and rhythm synchronization
- All student-visible values controlled via NARS Instructor tablet (included)
- NARS software includes exportable student evaluation performance documentation



Disconnect your student's dependency on instructor "over-the-shoulder" input

PATIENT MONITORING SUITE

with NARS Instructor Tablet

NARS Patient Monitoring Suite of simulators can be used in all phases of patient care for any human (role-player), or ANY patient simulator

Features include:

- **NARS Capnograph Simulator**
Designed to be used as a mainstream carbon dioxide monitor that can be connected in-line with a mask or tube. Simulator displays include carbon dioxide partial pressure, respiratory rate and CO₂ waveform.
- **NARS Pulse Oximeter Simulator**
Utilizes the widely used finger-style probe for monitoring blood oxygen saturation. Simulator display includes Heart Rate, SpO₂ and SpO₂ waveforms.
- **NARS NIBP Monitor Simulator**
Designed to replicate a portable NIBP monitor. This simulator allows medical responders to gather vital signs without instructor intervention. Onboard controls allow various modes of operation. Display includes systolic & diastolic pressures (mmHg) and heart rate.

DELUXE ALS KIT

ITEM #

93-0071

▶ Capnography



▶ Pulse OX



▶ Non Invasive BP Cuff



PATIENT MONITORING SUITE

ITEM #

93-0071

▶ Includes NARS Instructor Tablet





MOBILE FEEDBACK SYSTEM *requires AC power

Standalone mobile platform to capture simulation events*

Features include:

- Pelican 1650 case with custom-cut foam to protect all system components
- 2 x Cameras
- 2 x 72 in. Telescopic Tripods with camera mounts
- 3 x Terabyte stand-alone recorder
- 1 x NARS mil-spec rated Instructor Tablet for wireless communications
- Proprietary software with instructor bookmark/replay feature, simulator status capture, trainee biometric capture, trainee evaluation software (exportable reports)
- 2 x 25 ft. CAT-6 retractable cord reels
- Trainee-worn stress monitor
- Features streaming participant heart and respiratory rate



Wearable Trainee Stress Monitor



Features:

- Student wearable system that allows instructors to “live monitor” up to 4 students’ heart and respiratory rates
- 4 student kit w/puck, harness & software
- Includes monitor ‘pucks’, charging cradles, harness, and USB cables
- Requires NAR Tablet and software (not included)



MOBILE FEEDBACK SYSTEM
ITEM #
 93-0945



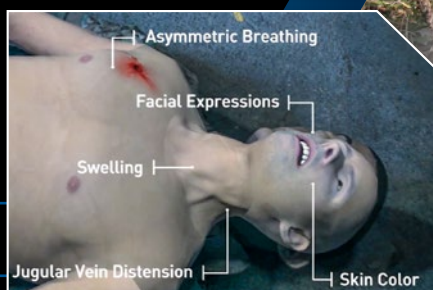
WEARABLE TRAINEE STRESS MONITOR

ITEM #
 93-0273

WEARABLE TRAINEE STRESS MONITOR



MASTER TCCC SKILLS



V-PIT™ Virtual Patient Immersive Trainer

FOR MEDICAL SIMULATION TRAINING ENVIRONMENTS

Specs

- Virtual patient designed to match a partial set or full range of physical TOMManikin® configurations
- Student gaze tracking with instructor verification
- Virtual interventions
- Multi-stage conditions with physiological progression
- Integration between virtual patient physical TOMManikin®
- Remote control NAR Simulation tablet and hub
- Simultaneously supports up to 4 HoloLens headsets (requires separate purchase of individual HoloLens)

Dimensions

- Packaged - W 27.5 in. x L 16.25 in. x D 8.75 in.
- Weight 12 lbs

A TCCC Training Regimen to Match the Modern Battlefield

Working in partnership with North American Rescue, Unveil has developed the Virtual Patient Interactive Trainer (V-PIT)™. The V-PIT is an augmented reality training system that enhances the visual presentation of patient conditions. The V-PIT highlights patient visual cues that are hard to replicate in traditional training, such as altered mental status, respiratory distress, progression of shock and tissue swelling. In addition, V-PIT's rapid delivery of scenarios and real-time data capture of training sessions makes TCCC training more efficient.

Debrief with Confidence

The V-PIT supports gaze tracking and scenario reporting data. As the student progresses through the scenario, data is continuously captured to reflect where on the virtual patient the student was looking. Data is automatically stored in each student's record to easily review where improvements can be made. Implementation of physical interventions is also automatically stored for quick review of each student's skill set. This time-stamped record allows for more effective after action reviews to reinforce positive decisions and actions taken by the student, as well as to identify opportunity areas.

Ideal for the Crawl and Walk phases of TCCC Training

V-PIT helps instructors move trainees through the "crawl" phase of training by facilitating the rapid delivery of multiple augmented reality scenarios. More than 70 injury combinations are available, with emphasis placed on the three most prevalent battlefield killers: exsanguination, airway obstruction, and tension pneumothorax.

This rapid immersion helps students develop fast recognition skills and mentally rehearse the activities and interventions that will be needed in the real world environment. Instructors can then move students to the "walk" phase by connecting the V-PIT to the TOMManikin®. Developed to work together, trainees can now leverage the V-PIT to connect doctrine and diagnostic skills with physical interventions via the TOMManikin®. As the virtual patient changes, the TOMManikin® automatically updates to reflect changes in breathing, pulse, bleeding and oxygenation levels. The combined system provides virtual and hands-on training to best prepare your emergency medical trainees.

VIRTUAL PATIENT IMMERSIVE TRAINER (V-PIT)

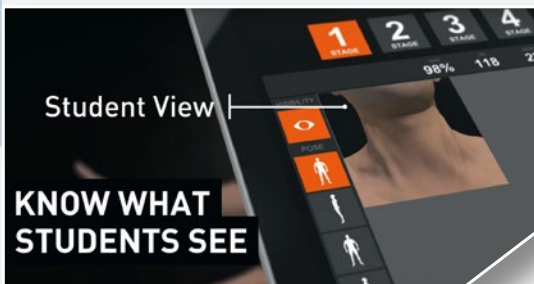
ITEM #

93-0269

ADDITIONAL MICROSOFT HOLOLENS 2 W/ V-PIT

ITEM #

93-0391



KNOW WHAT STUDENTS SEE

* Clients can create custom packages of software scenarios that add the greatest value to their current simulation training. Initial purchase provides access to base content, subscription renewal required for updates and support.

BASE TCCC PACKAGE COVERS 65 SCENARIOS INCLUDING

- Tension Pneumothorax
- Exsanguination
- Airway obstruction
- Penetrating GSW
- Non-Penetrating GSW
- Blunt force trauma
- Extremity amputation
- Severe Burns
- Blast trauma



REAL-TIME REPORTS

Patented Tracking Technology

V-PIT PACKAGE INCLUDES

- Microsoft Hololens 2 (Enterprise Edition)
- Virtual Patient Immersive Trainer (V-PIT software suite 1-1.1) with single user license
- V-PIT charger
- NAR Simulation Tablet with charger
- Quick start guide
- Pelican 1605 case for storage and transport. Includes custom cut foam.
- Includes long-life external battery



TOMManikin COMPATIBLE



can be used as a **STANDALONE SYSTEM**

Our pre-packaged simulation content is focused on some of the most critical training challenges

WHAT'S INCLUDED Your purchase includes all the hardware and software needed to begin training with your existing TOMManikin®

V-PIT™ PACKAGE
VIRTUAL PATIENT IMMERSIVE TRAINER



V-PIT™ Software Suite Instructor Control Tablet

Microsoft Surface with V-PIT Preloaded & Pretested



Microsoft HoloLens 2



Curricula Support based on 2019 TCCC Guidelines

AIR BLAST Simulator

Features:

- Portable system utilizes compressed air to create a simulated blast effect.
- All components housed in a waterproof hard shell case
- Safe for indoor use
- Eco-friendly
- Built-in compressor
- Onboard rechargeable battery and charging system included.



AIR BLAST SIMULATOR

ITEM

93-0291

SENSORY CONTROL UNIT *without camera*

Built as a rack system, the SCU is self-contained, easily transportable, and will configure to most training environments, especially stationary units (e.g. cargo container and kill houses). The system is completely reusable and easily reset so that training iterations can be run with minimal interruption.

The SCU contains the hardware, software and electrical components required to equip multi-sized simulation environments for a training procedure. To recreate the realism of extrication under fire, the training operator can introduce into the training structure (laptop Master Controller or NARS Tablet) varying intensity of light, smoke (foggers), wind, and sound.

This platform supports the addition of cameras.

Features:

- 2 hard cases for cables and wireless control devices.
- Upgrade capability for NARS Video Management System.

Contents:

- LED light set (x2)
 - Wireless control
 - Six brilliant amber, blue, red, and white LEDs
 - Clear optic hard-coated polycarbonate lens
 - Stand included
- Fogger (x1)
 - Wireless Control
 - Water-based fog/smoke
 - .9-gallon capacity
 - Low fluid indicator
 - Output 20,000 CFM
 - Features low fluid light indicator
 - LED-illuminated tank
 - Automatic shutdown
- Blower (x1)
 - Wireless control
 - 3-speed output (2600-4000 CFM)
 - 1HP
- Loudspeakers (2x)
 - Wireless control of volume and soundtracks
 - Built-in 1000W amplifier (2000W peak – 1000 continuous)
 - Output: 127dB
- Air blast simulator (x1)
- NARS Tablet (x1)

The NARS tablet is a ruggedized tablet that communicates with multiple NARS devices via Bluetooth to ZigBee relay.

SENSORY CONTROL UNIT

ITEM

93-0279



MOBILE ENVIRONMENT CONTROL UNIT

with NARS
Instructor Tablet

MECU is designed for mobility, and can be set up in a variety of training areas. This is a great option for smaller scale simulation events where dedicated training facilities are not available.



Features: & Contents:

- 2 hard cases for cables and wireless control devices.
- LED light set (x1)
- Fogger (x1)
- Blower (x1)
- Loudspeakers (x2)
- NARS remote control tablet with proprietary NARS Advanced Remote software

MOBILE ENVIRONMENT CONTROL UNIT

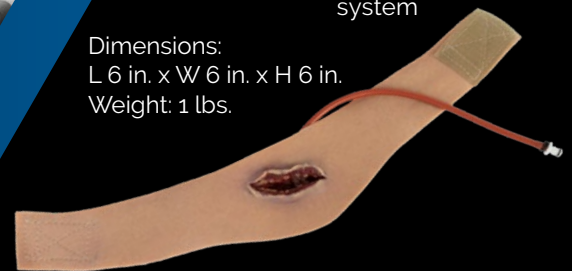
ITEM #

93-0275

WEARABLE NECK WOUND

- Hook and loop closure
- Exposed fat and muscle layers
- Integrated bleeding system

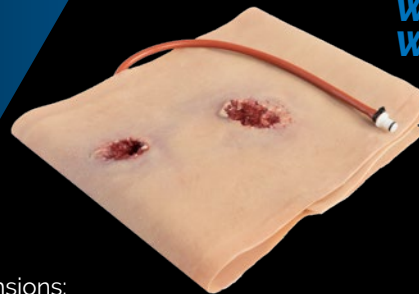
Dimensions:
L 6 in. x W 6 in. x H 6 in.
Weight: 1 lbs.



WEARABLE LEG WOUND - GSW

- Simulates a through and through gunshot
- Bleeds from entry and exit wounds
- Washable and reusable

Dimensions:
Packaged - L 6 in. x W 6 in. x H 6 in.
Weight: 3 lbs



WEARABLE WOUND SIMULATORS

WEARABLE WOUND SIMULATORS

| OPTION | ITEM # |
|-----------------|---------|
| Neck Wound | 93-0215 |
| Leg Wound - GSW | 93-0212 |

More wearable wound options available at NARescue.com

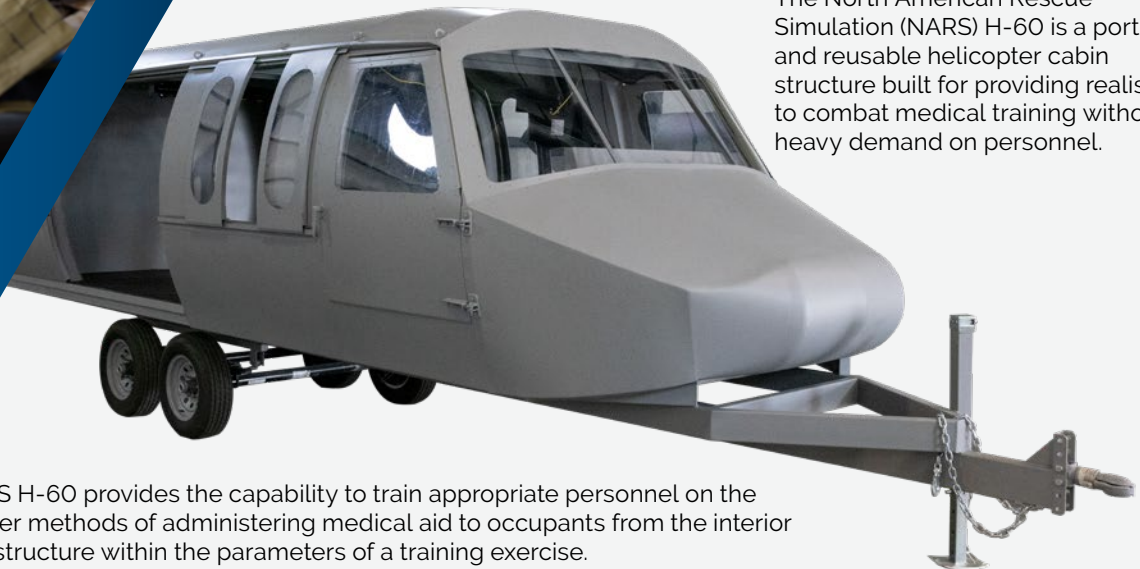
All wearable wound simulators are compatible with both live actors and **TOMManikin®**

Environments

H-60 | CV-22 | MH-6 | SIMULATION CENTER

CASEVAC SIMULATOR H-60

The North American Rescue Simulation (NARS) H-60 is a portable, and reusable helicopter cabin structure built for providing realism to combat medical training without heavy demand on personnel.



NARS H-60 provides the capability to train appropriate personnel on the proper methods of administering medical aid to occupants from the interior of a structure within the parameters of a training exercise.

Features:

- Equipped with Sensory Control Unit and NARS Tablet
- Allows for combat configuration of equipment
- Train combat loading multiple patients
- Allows for loading patients from Point of Injury
- Simulate treatment during transportation
- Compatible with Fries Bar attachment*

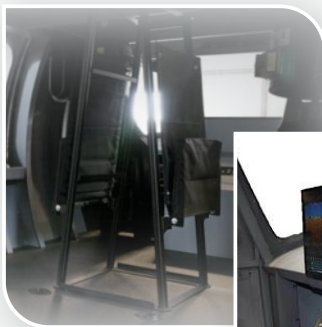
Add'l Options Available:

- Fries Bar
- ICS Box (Includes 2 headsets and 15 ft. cords)
- Blackout Window Kit

Dimensions:

L 25 ft. x H 8.5 ft. x W 6.75 ft.

Weight: 2200 LBS



*Fries Bar attachment available for H-60. Visit NARescue.com for more info. ▲

CASEVAC H-60

| OPTION | ITEM # | NSN# |
|--------------|---------|------------------|
| H-60 | 93-0335 | 6910-01-706-0111 |
| Fries Bar | 93-0300 | --- |
| ICS BOX | 93-0299 | --- |
| BLACKOUT KIT | 93-0336 | --- |

NEW H-60 Cockpit with Realistic Pilot/Co-Pilot Seats and Graphics Panel



CASEVAC SIMULATOR CV-22

The CV-22T simulator is used to increase efficiencies during the initial point of injury and tactical evacuations phase of care. This advanced simulator provides a variety of options that enhance the simulated battlefield at any location.

Features:

- Equipped with removeable, Sensory Control Unit and NARS Tablet
- Allows each unit to configure to Standard Operating Procedures
- Cabin height, width, and length to realistic sizes
- Day or night operations
- Treatment platform for CASEVAC training
- Used as a CV-22 crash site
- Black out during daytime operations
- Realistic crew securing landmarks
- Patients can be properly secured on floor
- Reinforced floor rings

Add'l Options Available:

- ICS Box (Includes 2 headsets and 15 ft. cords)
- Litter Stanchions (set of 2)
- Crew Seats

Specs & Dimensions:

- A mobile (DOT licensed) trailer that replicates characteristics of CV-22 aircraft
- Tandem Axle design
- Maximum Weight is 14,000 lbs
- Trailer length 35' 7"
- Trailer width 8' 9"
- Trailer height 9' 3"
- Ramp opening trailer for on and off load of patients
- Ramp length will not exceed 7 feet
- Ramp width will not exceed 70 inches
- Interior: L 21 ft. x W 62 in. x H 72 in



CASEVAC CV-22

| OPTION | ITEM # | NSN# |
|-------------------|---------|------|
| CV-22 | 93-0072 | --- |
| ICS BOX | 93-0299 | --- |
| LITTER STANCHIONS | 93-0301 | --- |
| CREW SEATS | 93-0379 | --- |



LITTLE BIRD MH-6

The Little Bird is a portable (reusable), MH-6 size helicopter cabin simulator. It provides a realistic, multi-purpose, platform that accurately depicts real-life extrication situations and enhances medical training in crash scenarios.

The Little Bird, used in conjunction with the TOMManikin and Sensory Control Unit (SCU), provides total integration between the simulated cabin and the environmental factors that can be applied to enhance any training scenario.

Features:

- Realistic crew securing landmarks, allowing securing of patients
- Reinforced Rings
- Internal fuel tank
- Day or night operations
- High-powered amplifier and speakers to simulate aircraft noise
- High-powered fans simulate rotor wash
- Aircraft lighting (white, green/ blue)
- Sensory Control Unit included
- All functions are controlled via a NARS Tablet (included)
- Submersible version available for aquatic environments

Dimensions:

L 12 ft. x H 7 ft. x W 6 ft.

Weight: 700 LBS

MH-6 LITTLE BIRD TRAINING SIMULATOR

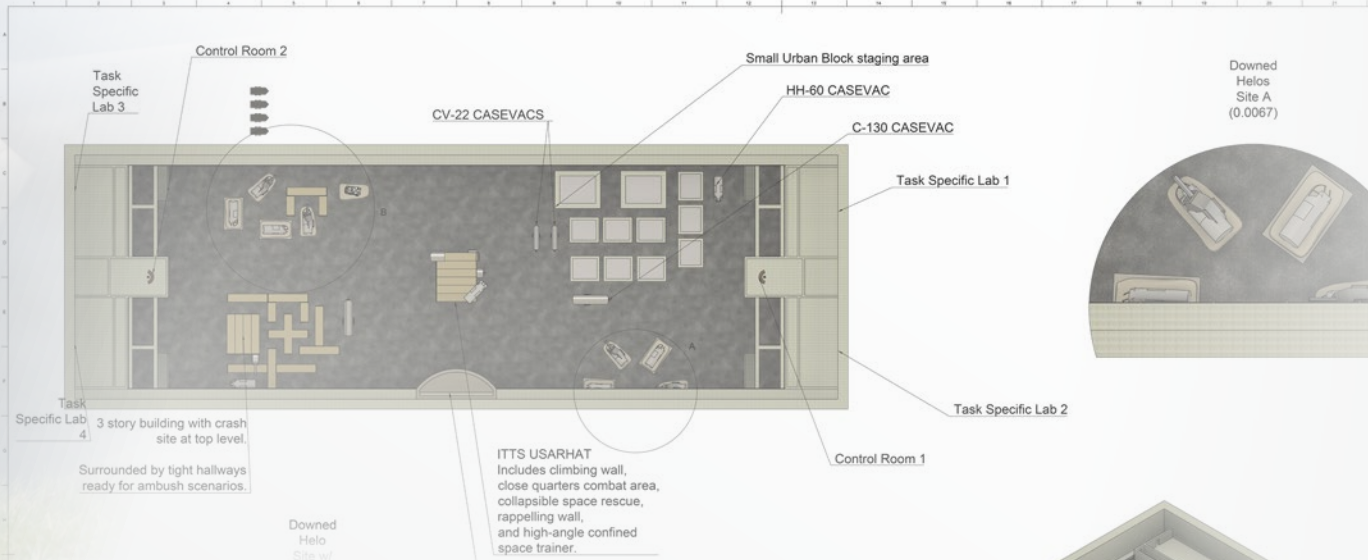
| OPTION | ITEM # | NSN# |
|------------|---------|------|
| MH-6 | 93-0295 | --- |
| WATER MH-6 | 93-0293 | --- |



The front compartment features an entanglement trap for the TOMManikin (both pilot and co-pilot). Little Bird has "extractable" doors, providing a realistic obstacle to emergency extractions. To add a sense of stress and the element of surprise to the care-under-fire and extraction experience, the portable NARS Sensory Control Unit (SCU) applies environmental distractions to a training scenario. Remotely controlled via an included NAR Sim tablet, training cadre can introduce, and vary the intensity of, noise and smoke (fogger).



▲ Water MH-6 shown with Water TOMManikin®



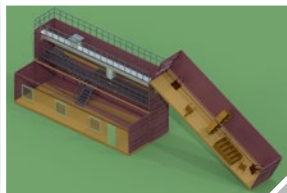
SIMULATION CENTER

North American Rescue Simulation specializes in working closely with customers who have unique training and simulation training center requirements. We engineer custom, scalable, experiential learning environments from concept design through installation and on-site training.

Simultaneous integration of multiple NARS products and devices create environmentally realistic scenario settings. From care in the streets/POI care, mass-casualty triage, prolonged field care and complex medical/surgical case management, our solutions provide the capability to train personnel in a safe, reproducible environment.

Simulation Center Features:*

- Portable, reusable training systems that enhance the realism of combat medical training without heavy demand on personnel.
- Enhances stress inoculation capabilities while training personnel proper methods of administering medical aid to casualties from the interior of any structure, or within the parameters of a training exercise.
- Simultaneous control of all NARS devices from a single control point.
- Welded Steel Frames
- Numerous options available for faux wall styles (Wood, Brick, Stone, etc.)
- Multiple cameras to capture student performance
- Video playback software with bookmarking and annotation features



*Simulation centers are custom built. Options vary depending on customer's unique needs and budget. Contact NAR Simulation for more information.



TCCC/TECC TRAINING SYSTEM *3 Module Set*

- Turnkey solution for teaching the PHTLS TCCC/TECC required tasks for completing the Tactical Combat Casualty Care (TCCC/TECC) course
- All the necessary tactical medical and casualty extraction/evacuation equipment needed for training centers and educational institutions
- Designed to equip up to 20 students
- Complete system consists of three self-contained hard storage case modules: Skill Stations Module, IFAKS Module and Extraction Module



3 MODULE SYSTEM

| UNIT | ITEM # |
|-----------|---------|
| 3 Modules | 85-0550 |

SPECIFICATIONS

Each Case: W 30.75 in. x H 20.5 in. x D 11.6 in.
 Weight: 3 Module Set:: 157 lb
 Module 1 Skill Stations- 53 lb
 Module 2 IFAK Skills Set- 59 lb
 Module 3 Evacuation Skills Set - 45 lb



TCCC/TECC Module One SKILLS STATIONS

- Train up to twenty (20) students at individual skill stations in the treatment of: *extremity hemorrhage, wound packing, chest seal application, needle chest decompression, junctional hemorrhage, basic airway adjuncts, surgical airway, splinting, hypothermia prevention/management, IV skills and eye injuries*
- Self-contained, wheeled, rigid case with internal dividers to keep the equipment organized and easy to inventory

SKILLS STATIONS MODULE 1

| UNIT | ITEM # |
|------------------|---------|
| Module 1 in Case | 85-0519 |
| ReSupply* | 85-1900 |

SPECIFICATIONS

W 30.75 in. x H 20.5 in. x D 11.6 in.
 Weight: 53 lb

SKILL STATIONS TRAINING MODULE 1:

| | | | | | | |
|--------------------------------------|--|----------------------------------|--|---|--|------------------------------------|
| QTY 20 C-A-T® Blue Trainer | QTY 20 ETD® 6 in. Dressing | QTY 20 Gauze S-Rolled | QTY 20 Combat Gauze® Trainer | QTY 1 JETT® Junctional Device | QTY 5 Pre-lubed NAR® Naso, 28F | QTY 1 Cyclone Pocket BVM |
| QTY 2 Tactical CricKit® | QTY 10 HyFin® Trainer, Twin Pk | QTY 5 ARS® Needle, 14G | QTY 20 NAR® Saline Lock Kit | QTY 5 Sharps Shuttle | QTY 1 HPMK® | QTY 5 Triangular Bandage |
| | | | | | QTY 5 SAM® Splint II | QTY 5 PES Eye Shield |

*ReSupply Kit available with all contents of Module 1, excluding Rigid Storage Case



TCCC/TECC Module Two

IFAK SKILLS SET

IFAK SKILL SET MODULE 2:



QTY 20 TECC IFAK Trainer

See Kit contents ▼ below

- Twenty (20) pre-packed Training IFAKs for use during trauma lanes or training scenarios
- IFAKs come packaged in a self contained wheeled hard case that allows for easy transport and storage

IFAK SKILLS SET MODULE 2

| UNIT | ITEM # |
|------------------|---------|
| Module 2 in Case | 85-0520 |

SPECIFICATIONS

W 30.75 in. x H 20.5 in. x D 11.6 in.
Weight: 59 lb

SPECIFICATIONS

H 8.25 in. x W 7.1 in. x D 5.5 in.
Weight: 2 lb 10 oz

IFAK TRAINER | TCCC/TECC

| UNIT | ITEM # |
|--------------|---------|
| Complete Kit | 85-0493 |
| ReSupply | 85-0518 |

IFAK TRAINER *Individual First Aid Training Kit*

TCCC/TECC IFAK TRAINER:



QTY 1 C-A-T® Blue Trainer



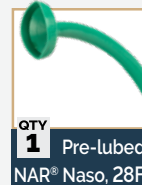
QTY 1 ETD® 6 in. Dressing



QTY 1 Gauze S-Rolled



QTY 1 Combat Gauze® Trainer



QTY 1 Pre-lubed NAR® Naso, 28F



QTY 1 HyFin® Trainer, Twin Pk



QTY 1 ARS® Needle, 14G



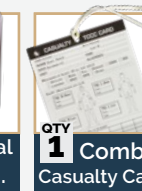
QTY 1 PES Eye Shield



PAIR 2 Nitrile Gloves, Lg



QTY 1 Surgical Tape, 2 in.



QTY 1 Combat Casualty Card



QTY 1 Permanent Marker, Large



* IFAK ReSupply Kit contains all components of the IFAK Trainer, excluding the Nylon Bag



TCCC/TECC Module Three

EVACUATION SKILLS SET

- Various high threat extraction devices and casualty evacuation systems to train students in different options to move casualties during the all three TCCC Phases of Care
- Packaged in a self-contained, wheeled, rigid case that allows for easy transport and storage

EVACUATION SKILLS SET MODULE 3

| UNIT | ITEM # |
|------------------|---------|
| Module 3 in Case | 85-0521 |

EXTRACTION TRAINING MODULE 3:



QTY 1 Rat™ Strap



QTY 1 Dragon Handle System



QTY 1 Hasty Harness



QTY 1 Carabiner Non-locking



QTY 1 Extraction Device, TED



QTY 1 Litter, EEL



QTY 1 Talon 90C Litter

SPECIFICATIONS

W 30.75 in. x H 20.5 in. x D 11.6 in.
Weight: 45 lb

TOMManikin®

| TOMMANIKIN® | |
|---------------------------|---|
| 93-0035 | Basic TOMMANIKIN® |
| 93-0040 | GSW TOMMANIKIN® |
| 93-0369 | GSW TOMMANIKIN® w/ Leg Amputation |
| 93-0036 | Blast TOMMANIKIN® |
| 93-0037 | Burn TOMMANIKIN® |
| 93-0039 | GSW TAMikin™ (Female) |
| 93-0381 | GSW TAMikin™ (Female) w/ Leg Amputation |
| 93-0041 | Water TOMMANIKIN® Basic |
| 93-0108 | Water TOMMANIKIN® |
| 93-0038 | CBRN TOMMANIKIN® |
| 93-0110 | Confined Space TOMMANIKIN® |
| TOMMANIKIN® Limbs & Skins | |
| 93-0148 | Uninjured Chest Skin |
| 93-0149 | GSW Chest Skin |
| 93-0150 | Evisceration Chest Skin |
| 93-0151 | Pelvic Pants |
| 93-0081 | TOMM GSW Groin Skin |
| 93-0082 | TOMM uninjured pelvic shorts |
| 93-0152 | Uninjured Arm (Rt) |
| 93-0083 | Complete Arm Amp (Rt) |
| 93-0084 | Partial Arm Amp (Rt) |
| 93-0085 | Shrapnel Arm (Rt) |
| 93-0086 | Burn Arm (Rt) |
| 93-0087 | Closed Fracture Arm (Rt) |
| 93-0088 | Uninjured arm (Lt) |
| 93-0089 | Complete Arm Amp (Lt) |
| 93-0090 | Partial Arm Amp (Lt) |
| 93-0091 | Shrapnel Arm (Lt) |
| 93-0092 | Burn Arm (Lt) |
| 93-0093 | Closed Fracture Arm (Lt) |
| 93-0094 | Leg - Uninjured (Rt) |
| 93-0095 | Complete Leg Amp (Rt) |
| 93-0096 | Partial Amp Leg (Rt) |
| 93-0097 | GSW Leg (Rt) |
| 93-0098 | Leg - Uninjured (Lt) |
| 93-0099 | Complete Leg Amp (Lt) |
| 93-0100 | Partial Amp Leg (Lt) |
| 93-0101 | GSW Leg (Lt) |
| 93-0155 | TAMI Head Skin Uninjured |
| 93-0156 | TAMI GSW Chest Skin |
| 93-0157 | TAMI GSW Pelvic Shorts |
| 93-0158 | TAMI Uninjured Pelvic Shorts |
| 93-0352 | Tibial IO Leg (Rt) |
| 93-0353 | Tibial IO Skin Plug |
| 93-0354 | Tibial IO Bone Insert |
| 93-0405 | TAMI Open Jaw Fracture Head Skin |
| 93-0407 | TOMM Open Jaw Fracture Head Skin |
| 93-0408 | TOMM Burn Face |

INDIVIDUAL TOMMANIKIN® COMPONENTS | ITEM NUMBERS

Various skin tones available. Contact Customer Service to order.

| Wearable Wounds for TOMM | |
|--------------------------|-----------------------------------|
| 93-0203 | Thigh laceration |
| 93-0204 | GSW through hand (Rt) |
| 93-0205 | Impaled object |
| 93-0208 | Broken jaw with laceration |
| 93-0210 | Compound fracture |
| 93-0212 | GSW leg |
| 93-0215 | Neck wound |
| 93-0223 | GSW through hand (Lt) |
| 93-0229 | Multiple GSW abdomen |
| 93-0080 | Abdominal evisceration (packable) |
| 93-0234 | Shrapnel wound axillary (Rt) |
| 93-0235 | GSW bicep |
| 93-0236 | GSW clavicle (Rt) |
| 93-0396 | Simulator Burn Torso |

| TOMMANIKIN® Adhesive Wounds (Reusable) | |
|--|----------------------------|
| 93-0187 | Complete Sticky Wound Kit |
| 93-0188 | GSW Sticky Wound Kit |
| 93-0189 | GS Entry Wound; Small |
| 93-0190 | GS Entry Wound; Large |
| 93-0191 | GS Exit Wound; Medium |
| 93-0192 | GS Exit Wound; Large |
| 93-0193 | Laceration Stick Wound Kit |
| 93-0194 | Laceration; Medium |
| 93-0195 | Laceration; Large |
| 93-0196 | Burn Sticky Wound Kit |
| 93-0197 | Burn; 2nd Degree |
| 93-0198 | Electrical Burn; Medium |
| 93-0199 | Chemical Burn; Medium |
| 93-0200 | Thermal Burn; Medium |
| 93-0201 | Electrical Burn; Large |
| 93-0202 | Thermal Burn; Large |

| TOMMANIKIN® Consumables & Replacement Parts | |
|---|--|
| 93-0102 | Bleeding Neck Skins (10 pack) |
| 93-0106 | 1 Gallon concentrated blood simulant; non-staining |
| 93-0139 | 5 AMP battery w/o charger |
| 93-0140 | 5 AMP battery w/charger |
| 93-0141 | 10 AMP battery w/o charger |
| 93-0143 | 10 AMP battery w/charger |
| 93-0144 | NAR Simulation Smart Charger |
| 93-0147 | Non-Bleeding Neck Skins (10 pack) |
| 93-0159 | Spare Connectors, TOMM/TAMI |
| 93-0169 | Tension Bladder Set |
| 93-0175 | Lung Bladder Set |
| 93-0178 | IO Humeral Ball Replacement |
| 93-0183 | Simulator Blood Fill Tank |
| 93-0185 | Bleeding Bag |
| 93-0186 | Silicone Repair Kit |
| 93-0264 | NIBP Cuff Simulator |

| TOMMANIKIN® ACCESSORIES | |
|-------------------------|-----------------------------|
| 93-0122 | Tablet for NARS Simulation |
| 93-0129 | Velcro Uniforms - non-BERRY |
| 93-0131 | Wheeled Soft Carrying Case |
| 93-0135 | TOMMANIKIN® Rack (3 shelf) |

Wounds in a Box® Simulators
Visit NARescue.com for info



NORTH AMERICAN RESCUE®

Simulation

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manikins@NARescue.com
www.NAR-Simulation.com