

SOP-ESP13 | REV. 1.0

## R&B RES-Q-PAK

# Field Manual & Standard Operating Procedure

For all personnel trained in Basic Life Support, Emergency Medical Response, and higher levels of care involved in patient immobilization and extrication.

### **Mission**

Equipment consolidation & transport for non-board spinal immobilization

### **Applicability**

Fire, Rescue, and EMS services  
— all trained personnel

### **Document**

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## SECTION 1

# Mission Brief & Intended Use

## 1.1 Core Mission

The RES-Q-PAK is an **equipment consolidation and transport case**. Its sole purpose is to organize, protect, and deploy a complete set of non-board spinal immobilization components — extrication device, cervical collars, head immobilizers, and straps — as a single, cohesive system.

## 1.2 Intended Use

Designed for Fire, Rescue, and EMS services to **eliminate component scatter** during trauma response. When a spine board is retrieved, the full complement of required tools arrives at the patient's side simultaneously. Staged in apparatus compartments adjacent to long spine boards.

## 1.3 Operational Context

A **force multiplier** in high-stress, time-critical incidents — vehicle collisions, falls from height, or any scenario requiring potential spinal immobilization. Standardizes equipment loadout and prevents delays caused by searching for individual components within multiple bags or compartments.

## SECTION 2

# Equipment & Component Familiarization

The RES-Q-PAK is the container; its features are designed to facilitate rapid deployment of medical equipment stored within. **You are responsible for stocking this case.**

## 2.1 Containment & Protection System

### → Nylon Pack Cloth Body

Durable, tear-resistant barrier against grit, debris, and moisture. Protects sterile/clean state of medical components. Lightweight to minimize operator load.

### → Medical Green Color

Visual identification feature enabling immediate **color-coded recognition** among other equipment bags — reduces cognitive load and search time during chaotic response.

## 2.2 Deployment & Access System

### → 36-Inch Linear Profile

Engineered to house a KED or similar vest-style immobilizer in full, unfolded length. Prevents material stress, crushing, or bending — ensuring operational readiness.

### → Single-Compartment Zippered Access

Large-volume single compartment maximizes accessibility to bulky items. Entire inventory viewable and accessible upon opening.

### → Webbing Carry Handles

Primary transport interface. Allows the operator to carry the case securely in one hand while carrying a spine board or other equipment in the other.

## SECTION 3

# Standard Operating Procedure — Deployment

- ❏ **Scenario:** Unit 73 dispatched to a vehicle-versus-tree collision. Single patient — conscious, alert, oriented; complains of severe cervical spine pain with no neurological deficit. Vehicle integrity compromised, requiring extrication.

1

## 3.1 Pre-Deployment Staging

Store RES-Q-PAK in designated apparatus compartment, co-located with long spine boards. Stock per SOP Section 5: KED on bottom, head blocks, cervical collars on top for immediate access.

2

## 3.2 Scene Deployment

One team member retrieves the long spine board; another retrieves the RES-Q-PAK. Transport both to the immediate vicinity of the operation. Place case on a stable, clean surface — tarp or uninvolved roadway preferred.

3

## 3.3 Equipment Access & Application

Unzip completely. Select and size cervical collar first (packed on top). Apply collar, then retrieve KED from bottom and apply per extrication protocols. After extrication onto long board, apply head immobilizer blocks and straps to complete immobilization.

4

## 3.4 Post-Incident Recovery

All used equipment — including the case — is considered **contaminated**. Do not repack on scene. Segregate for terminal decontamination at station. Inspect all components before restocking and returning to service.

 SECTION 4

# Critical Warnings, Limits & Safety

## 4.1 Liability & Scope of Practice

This is an **equipment transport case, NOT a medical device.** Possession does not confer or imply competency in spinal immobilization. All personnel **MUST** be trained, certified, and operating under appropriate medical direction and within their authorized scope of practice. Improper application can lead to patient injury, permanent disability, or death.

## 4.2 Equipment Limitations

- **Contents Not Included:** This product is the case ONLY. An empty or incomplete kit is a critical mission failure.
- **Weather Resistance:** Water-resistant, NOT waterproof. Will not protect contents during submersion or driving rain.
- **Physical Durability:** Avoid hot surfaces (exhaust pipes, summer pavement) and sharp penetrating objects (glass, rebar).

## 4.3 Safety & Contamination

- **Biohazard Risk:** If exposed to blood, bodily fluids, or contaminants, remove from service immediately and decontaminate per your organization's infection control and bloodborne pathogen policies.
- **Trip Hazard:** Do not place the open or closed case in pathways of ingress/egress for rescuers or patients.

## SECTION 5

# Readiness, Inspection & Sustainment

## 5.1 Inspection Frequency

Inspect at the **start of every operational shift** and **after every use**.

## 5.2 Inspection Checklist

01

### Case Exterior

Inspect for rips, tears, abrasions, or failing seams. Verify zipper is fully functional and track is clear of debris.

02

### Case Interior

Inspect for signs of contamination, soiling, or embedded debris.

03

### Contents Inventory

Conduct full inventory against your service's required load list.

04

### Contents Condition

Inspect each item for damage, degradation, or contamination. Check buckles, straps, and Velcro. Ensure collars are clean and structurally sound.

## Typical Required Loadout

### KED Device

1x KED-type extrication device — placed on bottom of case

### Cervical Collars

1x Set of adjustable or sized collars, adult to pediatric range — packed on top

### Head Immobilizer

1x Head immobilizer set (blocks and base)

### Securing Straps

1x Set of patient securing straps (spider straps or loop straps)

## 5.3 Cleaning & Decontamination

### Routine Cleaning

Damp cloth and mild soap. Air dry completely before repacking.

### Biohazard Decon

Use service-approved disinfectant (e.g., CaviCide or equivalent). **Do not use bleach** — degrades nylon fabric.

## 5.4 Storage Protocol

Store in designated apparatus compartment. Ensure it is not crushed by heavier equipment. Position for **immediate access alongside spine boards**.