

BELL 505

United Rotorcraft has brought Emergency Medical Services to the Bell 505 Jet Ranger X. Utilizing this aircraft's unique design & price point with our 35 plus years of experience as an EMS operator & design/manufacturing expert, we've developed an EMS kit that enables the Bell 505 to fulfill multiple mission profiles with little or no permanent modifications to the airframe.

OVERALL LAYOUT

The Bell 505 (Bell's replacement of the 206 Jet Ranger) is a welcome entry into the single engine, low cost emergency medical transport market. Bell's redesigned airframe is instantly noticeable because of the flat floor.

It is designed to be clear of obstructions and protrusions, allowing the aircraft to be easily configured for a wide variety of missions including the transport a single patient while providing basic lifesaving care.



PATIENT LOADING SYSTEM

Patient care begins the minute the aircraft lands to receive the patient. The operator will have the United Rotorcraft 1555 litter which is fielded and in service in hundreds of aircraft. The 1555 litter includes two lower torso restraints and a four point restraint for the patient's chest/shoulder area. Airway management can be accomplished with the FAA approved adjustable backrest to elevate the head of the patient during taxi, take-off, and landing.

The 1555 litter is secured to the floor of the aircraft utilizing two custom machined latches that capture the end of the litter and lock it securely in place. The latches are manufactured out of machined aluminum to provide a durable, yet light weight securing mechanism that can withstand the EMS environment.



PATIENT ISOLATION BARRIER

The patient remains isolated from the pilot by using both the torso restraints and the Pilot Isolation Barrier (PIB), ensuring safety of flight. The floor of the aircraft is protected by a vacuum formed Kydex floor pan designed to help capture fluids and debris associated with medical transports.



PATIENT CARE FEATURES

Patient care is facilitated by the addition of an Equipment Rack that attaches to the aft cabin wall of the aircraft utilizing the same attachment points as the OEM seat. The Equipment Rack replaces one of the OEM seats but still allows the operator to maintain two crew member seats. It includes machined aluminum track at 10" spacing allowing the operator to attach a wide variety of medical support equipment mounts, oxygen cylinder mounts, and even customized storage pouches giving the operator the ability to tailor the carry on equipment to meet their mission.



Bell 505 EMS Transport Kit

- Patient Litter (Model 1555)
- Litter Latch and Floor Pallet
- Kydex Fluid Containment pan
- Pilot Isolation Barrier (PIB)
- Equipment Rack
- Oxygen Cylinder Mount

Optional Components

- Individual medical device mounts
- Portable suction system mounts
- Additional oxygen cylinder mount
- 115 VAC & 12 VDC powered outlets
- Storage pouches

MODULARITY

The United Rotorcraft medical interior kit is designed to be installed or removed in a approximately 30 minutes.

The kit utilizes quick release pins where possible to allow removal of equipment without the need for tools. Modification to the B505 airframe is minimized to simplify and reduce installation time and costs by using existing airframe hard points and attachments. No special tools or training is necessary to install, remove, or utilize the interior.



PATIENT ACCESS

A large door that opens close to 90 degrees allows the caregiver to load the patient and litter smoothly and efficiently. A quick latch system locks the litter in place easily and securely. The open cabin allows caregivers to access and monitor the patient in flight with excellent access to medical equipment mounted to the aft wall of the cabin.

