



*Innovation in Mobility*

*Activan*® **TX**

*Accessibility With Style*™

*for*

***Caltrans***

***Service/Operator Manual***

**This RICON product must be serviced only by authorized RICON service agents.**

**The owner must refer to this manual for operating instructions, then retain it for future reference by authorized RICON service agents who perform service and repairs.**

**This manual contains information about the RICON *ACTIVAN TX* features. It is not intended to replace, but rather to supplement the vehicle manufacturers' Owner's Manual. For information or instructions regarding non-RICON features, refer to manufacturers' Owner's Manual.**

Customer Name:	_____
Installing Dealer:	_____
Date Installed:	_____
Serial Number:	_____

## REVISION RECORD

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REV.	PAGE(S)	DESCRIPTION OF CHANGE	ECR/ECO
32DACTCT.E 08/01/99 tentative	All	Change "dealer" to "service agent"	002109/3557
	1-1	Delete Canadian product support address.	
	1-4 to 1-5	Renewed figures of front seats and ramp.	
	1-6	Revised figures to show new middle seat.	
	2-4 to 2-8	Revised figures and text that apply to new middle seat.	
	3-1	Revised first aid kit figure.	
	5-10	Revised air exhausting method.	
	6-6 to 6-12	Revised figures and updated parts lists.	
<b>END OF LIST</b>			

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## I. INTRODUCTION

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The RICON *Activan*® *TX* for *Caltrans* is a customized, lowered-floor minivan designed especially for transporting mobility-challenged individuals. With features such as a folding/swing-away ramp, removable passenger seats, folding middle seat, and drivers' side sliding door, *ACTIVAN TX* brings accessibility and style together into one package.



The *ACTIVAN TX* is built to the highest standards of quality. It has been successfully crash tested and complies with all currently applicable federal motor vehicle safety standards. Ricon provides a comprehensive warranty that assures years of dependable service. For maximum safety, Ricon recommends that the vehicle conversion components be inspected and serviced at least every six months, or sooner, depending upon usage.

This manual contains operation and maintenance instructions and emergency operation information for the *ACTIVAN TX*. It is intended to supplement

but not replace the vehicle manufacturers' Owner's Manual. It is important to user safety that operator(s) be completely familiar with Warranty and Operating Instructions chapter of this manual. This manual should be stored in vehicle for reference by all operators. For information or instructions regarding non-RICON features, refer to manufacturers' Owner's Manual.

If there are questions about this manual or additional copies are needed, please contact Ricon Product Support Department at one of the following locations:

**Ricon Corporation**  
**7900 Nelson Road**  
**Panorama City, CA 91402**  
**Outside (818) Area Code**  
**World Wide Website**

..... (818) 267-3000  
..... (800) 322-2884  
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**Ricon U.K. Ltd.**  
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**Stanseveien 27**  
**N-0976 Oslo**  
**Norway**

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## RICON® ACTIVAN® TX LIMITED WARRANTY

Ricon Corporation (Ricon) warrants to original purchaser of this product that Ricon will repair or replace, at its option, parts that fail by reason of defective material or workmanship as follows:

- C Repair or replace for a period of 7-years or 70,000 miles (112,000 km.), whichever occurs first, the structural metal component of the Ricon installed floor and ramp. These components are warranted for "rust-through" damage. Surface rust is not covered.
- C Repair or replace for a period of 1-years from in-service date or 36,000 miles (58,000 km.), whichever occurs first, all other *ACTIVAN* components. Maintenance items and normal wear and tear excluded.
- C Labor costs for specified parts replaced under this warranty for a period of one (1) year from date of purchase. A Ricon rate schedule determines parts covered and labor allowed. Under normal circumstances, all warranty repair work must be performed by an authorized Ricon *ACTIVAN* service agent ("Activan service agent"). In an emergency, and if service from an *ACTIVAN* service agent is not readily available, it is owner's responsibility to contact Ricon for authorization prior to commencement of any repair and Ricon reserves the right to limit extent of those repairs. Unauthorized repair or parts replacement by someone other than an authorized *ACTIVAN* service agent is not covered by this warranty. Ricon also reserves the right to require that defective parts be returned for inspection prior to paying warranty claims. Diagnostic work or troubleshooting is not covered by this warranty.

This warranty is transferable upon sale of vehicle within warranty period only if Ricon is notified in writing within 30 days of sale, and acknowledges such notification. Notification to Ricon shall include: date of original purchase, name and address of seller, name and address of buyer, date of sale, copy of "title transfer" and "odometer statement".

Ricon reserves the right to discontinue models or options, change specifications, materials, equipment or design at any time without notice and without incurring obligation.

This warranty is in lieu of any other warranty expressed or implied. This warranty covers only those parts installed by Ricon and is intended to supplement vehicle manufacturer's warranty. Refer to vehicle manufacturer's warranty for coverage on original vehicle equipment.

### ***This Warranty does not Cover:***

- C Damage caused by accident, road hazard, misuse, lack of proper maintenance, failure to follow towing, hoisting, and other operating instructions.

**NOTE:** Ricon recommends that this product be inspected by an authorized *ACTIVAN* service agent at least once every six months or sooner if necessary. Any required maintenance or repairs should be performed at this time.

### **WARNING**

THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO EXACT SPECIFICATIONS.  
**MODIFICATION OF THIS PRODUCT IN ANY RESPECT CAN BE DANGEROUS.**

### ***This Warranty is Void if:***

- C The conversion has been maintained or repaired by someone other than an authorized *ACTIVAN* service agent or by a person not authorized by Ricon to perform such maintenance or repair.
- C The conversion has been modified or altered in any respect from its original design without written authorization from Ricon.

***Ricon disclaims liability for any personal injury or property damage that results from operation of a Ricon product that has been modified from original Ricon design. No person or company is authorized to change design of this Ricon product without written authorization by Ricon.***

***Ricon's obligation under this warranty is exclusively limited to repair or exchange of parts that fail within applicable warranty period.***

***Ricon assumes no responsibility for expenses or damages, including incidental or consequential damages however caused. Some states do not allow exclusion or limitation of incidental or consequential damages, so above limitation or exclusion may not apply.***

***Important: The warranty registration card must be completed and returned to Ricon within twenty (20) days after installation of this Ricon product for warranty to be valid.***

***The warranty gives specific legal rights, and there may be other rights that vary from state to state.***

## **GENERAL SAFETY PRECAUTIONS**

The following general safety precautions should always be followed during operation and maintenance of the *ACTIVAN TX*:

1. Under no circumstances should maintenance, repair, or adjustment of the *ACTIVAN TX* ramp or other components be attempted without immediate presence of an individual capable of rendering aid.
2. An injury, no matter how slight, should always be attended. Always administer first aid or seek medical attention immediately.
3. Protective eye shields and appropriate clothing should be worn during maintenance, repair, and adjustment of the *ACTIVAN TX*.
4. To avoid injury, user must always exercise caution when operating ramp and be certain that hands, feet, legs, and clothing are not in path of its movement.
5. Batteries contain acid that can burn. Wear protective clothing and eye protection at all times when working around batteries. If acid comes in contact with skin, flush affected area with water and wash with soap immediately.
6. Always work in properly ventilated area. Do not smoke or use an open flame near a battery.
7. Do not lay anything on top of a battery.
8. Read and understand all instructions before attempting to operate the *ACTIVAN TX* ramp or other components.
9. Inspect ramp prior to each use. If an unsafe condition exists, do not use it. Return vehicle to an authorized Ricon service agent for repair.
10. Unusual noises or movements should be immediately inspected by a Ricon service agent.
11. Keep others clear of ramp when it is being operated.
12. Always operate ramp with the *ACTIVAN TX* parked on **level** ground. A dangerous situation exists and Ricon does not recommend use of ramp if vehicle is parked on a slope.
13. The *ACTIVAN TX* ramp and other system components require regular periodic maintenance. Ricon recommends a thorough vehicle inspection by an authorized Ricon service agent at least once every six months. Like any product, the ramp and other components should always be maintained at highest level of performance.

# ACTIVAN<sup>®</sup> TX FEATURES

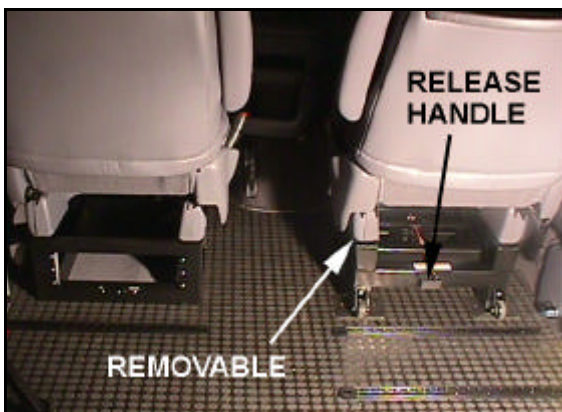
This section provides an overview of standard and optional vehicle features. Refer to Chapter II of this manual for operating instructions of each of the features.

## ! REMOVABLE FRONT PASSENGER SEAT

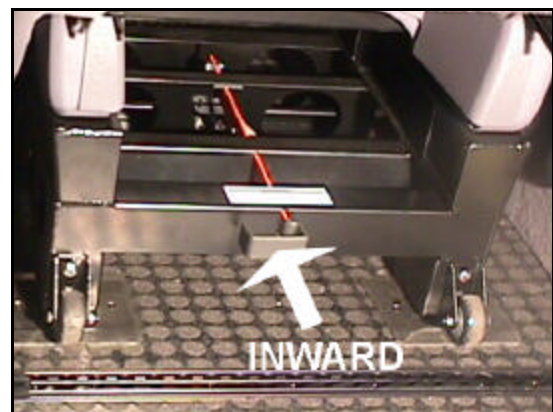
### ⚠ WARNING

BE CERTAIN THAT SEAT IS PROPERLY SECURED INTO ITS LOCKED POSITION BEFORE ATTEMPTING TO OPERATE VEHICLE. **UNDER NO CIRCUMSTANCES** SHOULD VEHICLE BE PUT IN MOTION WITHOUT SEAT LOCKED. MAKE SURE THAT SEAT LOCKING HANDLE IS IN **INWARD** POSITION BEFORE OPERATING VEHICLE.

**Figure [1-1]** shows removable front passenger seat. The seat can be unlocked and removed from vehicle as needed to create an area to secure a wheelchair. It is unlocked by a release handle that is located in rear-center of seat base. During vehicle operation, seat release handle **MUST** be in the **INWARD** position as shown in **Figure [1-2]**.



**FIGURE [1-1]: REMOVABLE FRONT SEAT**



**FIGURE [1-2]: SEAT LOCKED**

## ! FOLDING RAMP

The folding ramp provides wheelchair access to vehicle. During driving and when it is not being used, it is stored in a folded position inside vehicle. This is referred to as **stowed** position as shown in **Figure [1-3]**. To use ramp, it is unfolded or **deployed** as in **Figure [1-4]**. The ramp can be swung outward, as shown in **Figure [1-5]** to enter vehicle without deploying ramp.



**FIGURE [1-3]: RAMP STOWED**



**FIGURE [1-4]: RAMP DEPLOYED**



**FIGURE [1-5]: RAMP PIVOTED OUT**

**! REMOVABLE REAR SEAT**

By unlocking right and left latches, the rear seat of vehicle can be removed temporarily. The right latch is seen in **Figure [1-6]** and left latch is behind spare tire.



**FIGURE [1-6]: REAR SEAT LATCHES**

**! REAR STORAGE BIN AND SPARE TIRE MOUNT**

The rear storage bin, shown in **Figure [1-7]**, uses a thumb turn latch to secure its cover. The bin also serves as spare tire mount. The supplied First Aid is normally stored here when not in use.

**! Q'STRAIN® WHEELCHAIR & OCCUPANT RESTRAINT SYSTEM, TRIANGLE FLARE KIT, FIRE EXTINGUISHER, AND FIRST AID KIT**

The Q'Strain® Wheelchair & Occupant Restraint System, triangle flare kit, fire extinguisher, and first aid kit are supplement items provided for the *ACTIVAN TX*. The Q'Strain® System is used to secure or tie-down wheelchairs during vehicle operation. The triangle flare kit is used to notify traffic if vehicle is not driveable while on a road. The fire extinguisher is mounted to right side of storage bin and first aid kit is located inside bin. All items are reached through rear hatch.



**FIGURE [1-7]: VEHICLE CARGO AREA**

**! REAR DOOR EMERGENCY RELEASE**

The rear door emergency release may be used to open rear door from inside vehicle during an emergency situation. When release cable is pulled upward, rear door can be pushed open.

! BACKUP ALARM

The vehicle is equipped with an audible alarm that alerts nearby pedestrians to vehicle movement. The alarm sounds when vehicle ignition is on and transmission is in reverse.

! OPTIONAL FOLDAWAY MIDDLE SEAT

The optional foldaway middle seat can be raised to accommodate a secured wheelchair in vehicle. **Figure [1-8]** shows seat in its normal down position and **Figure [1-9]** shows entire seat in up or stored position.



**FIGURE [1-8]: MIDDLE SEAT DOWN**



**FIGURE [1-9]: MIDDLE SEAT UP**