



**INSTALLATION INSTRUCTIONS  
S2000 WHEELCHAIR LIFT  
FULL SIZE DODGE VAN, REAR, 1994 KIT # 01215**

- # Be certain that these supplemental instructions are read and understood completely before installation is attempted. Please refer to the installation section of the Service/Owner Manual for further installation instructions.
- # Check contents of this kit and notify Ricon immediately of any missing parts. Claims for damages that have occurred during shipping must be made to the shipper.

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**I. INTRODUCTION**

The following procedure covers the step-by-step installation of a S2000 lift in rear of a full size Dodge van, model year 1994.

**II. TOOLS REQUIRED:**

- |                                |                        |                      |
|--------------------------------|------------------------|----------------------|
| Drill Bits (9/32", 3/16")      | Hammer                 | Hole Saws (3/4", 1") |
| Jig Saw                        | Electric Drill         | Jig Saw Blades       |
| Screw Drivers (Phillips, Flat) | Wrenches (7/16", 1/2") | File                 |
| Side Cutters                   | Wire Crimping Tools    | Wire Strippers       |

### III. PREPARATION OF VAN:

- A. Safely park vehicle on a flat, level surface and turn off engine.
- B. Disconnect the battery.

#### ▲ CAUTION

Batteries contain acid that can burn. Wear protective clothing and eye protection at all times. If acid comes in contact with skin, flush affected area with water and wash with soap.

- C. Remove carpeting up to rear seats.
- D. Remove or cut any existing wood panel on the floor (**Figure [1]**).
- E. Removing and ordering replacement bumper/ bumper brackets:
  - 1. Remove the existing 1994 bumper.
  - 2. Order Chrysler P/N: AA67JD3 (1993 bumper).
  - 3. Remove the existing bumper brackets.
  - 4. Order Chrysler P/N's: 4249006 & 4249887 (standard brackets).
- F. Raise vehicle.
- G. Remove or lower gas tank as necessary.
- H. Remove heatshield if present (**Figure [2]**).



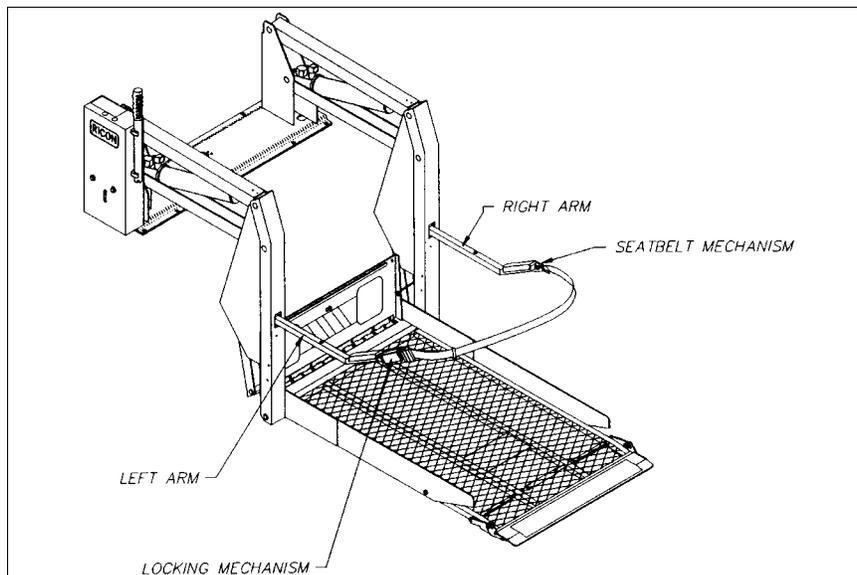
**FIGURE [1]: CUT ANY EXISTING WOOD PANEL**



**FIGURE [2]: HEATSHIELD REMOVAL**

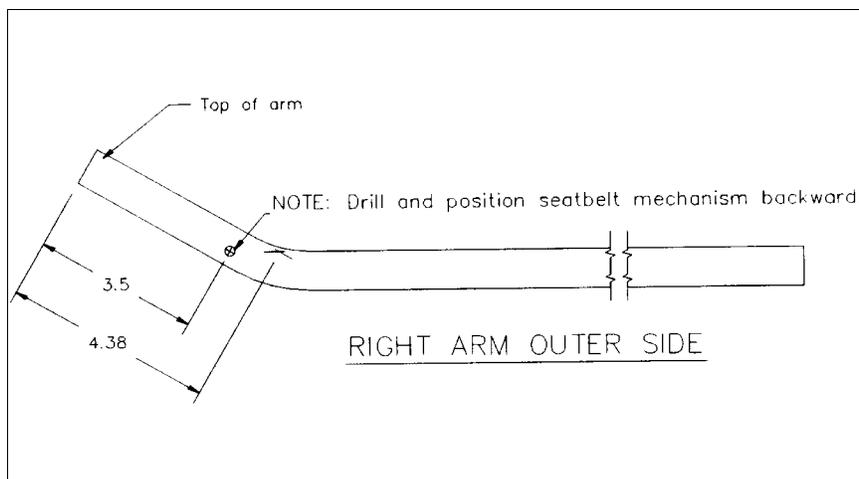
### III. HANDRAIL MODIFICATION:

- A. Detach safety arms from both sides of the lift (**Figure [3]**).



**FIGURE [3]: LEFT & RIGHT ARMS**

- B. Disconnect cables from safety arms.
- C. Detach wooden pieces from top of both arms.
- D. Right Arm:
1. Measure and cut 1" from top portion of the arms to match dimension on **Figure 4**.
  2. Measure and cut 1" from top portion of the wooden piece.
  3. Drill a hole 3.5" down from top portion of the arms outer side and attach seatbelt mechanism backward (**Figures [4] & [5]**).
  4. Drill a hole 2.5" above of existing hole under sloped portion of the arm towards top to attach the wooden piece in place (**Figures [6] & [7]**).



**FIGURE [4]: RIGHT SIDE ARM DIMENSIONS AFTER BEING CUT**



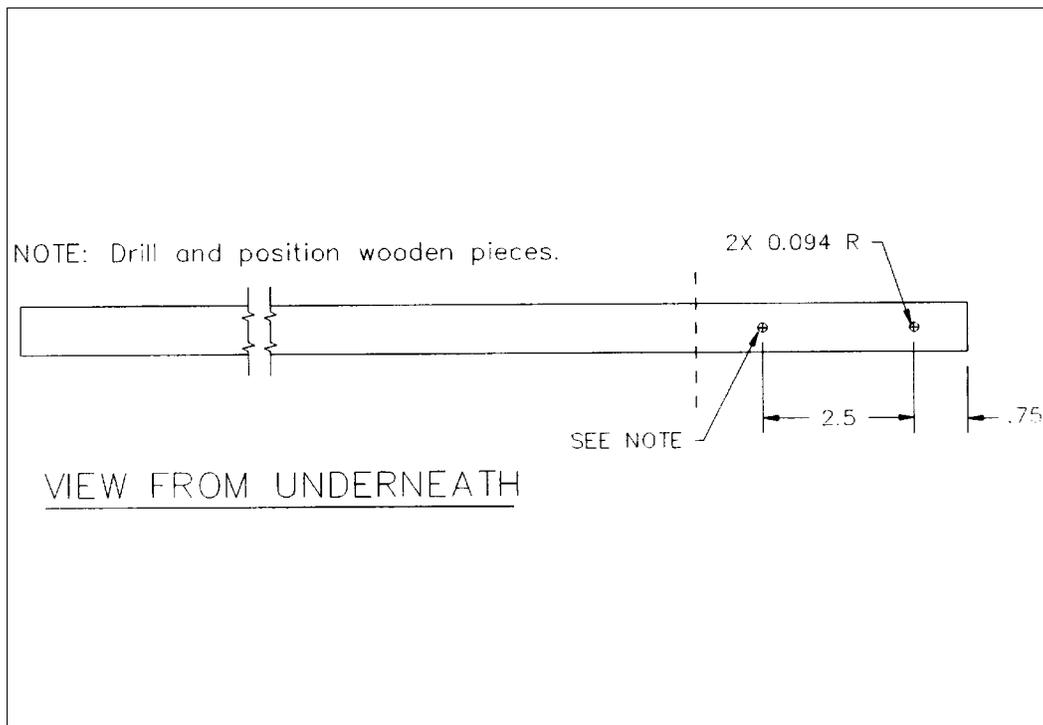
**FIGURE [5]: RIGHT SIDE SEATBELT MECHANISM ATTACHED**

**E. LEFT ARM:**

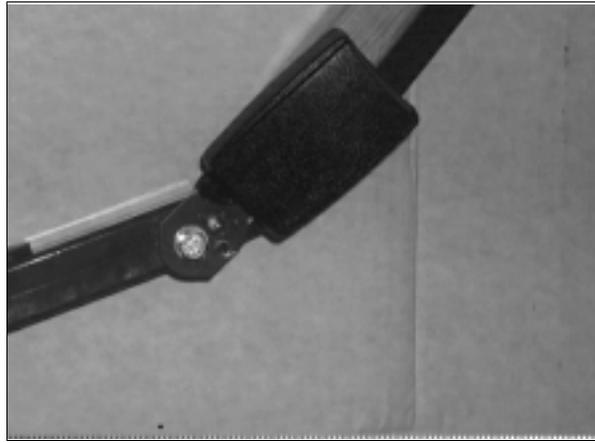
1. Measure and saw cut 1" from top portion of the arm to match dimension on **Figure [8]**.
2. Measure and cut 1" from top portion of the wooden piece.
3. Drill a hole 13.90" from straight end of arm for attaching locking mechanism of the seatbelt (**Figures [7] & [8]**).
4. Drill a hole 2.5" above of existing hole under sloped portion of arm towards the top to attach the wooden piece in place (**Figures [6] & [7]**).

**F. Attach the arms back to the lift in their respected position (**Figure [3]**).**

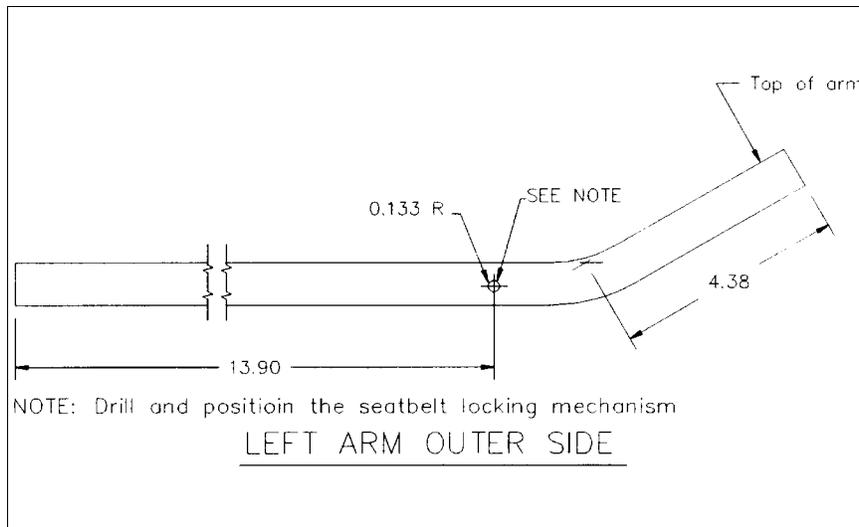
**G. Turn the seatbelt strap one complete rotation to accommodate for rotation of mechanism (**Figure [9]**).**



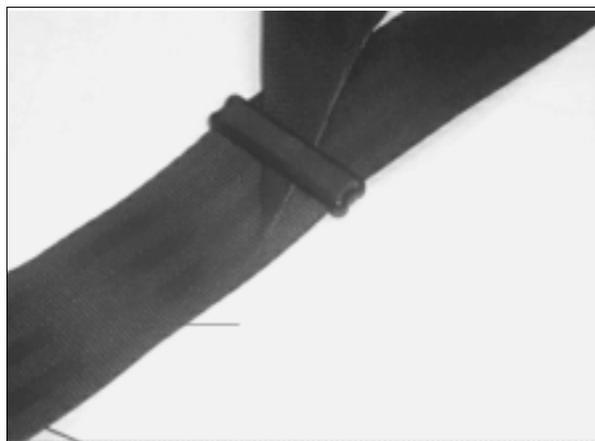
**FIGURE [6]: HOLES TO BE MADE FOR WOODEN PIECES**



**FIGURE [7]: LEFT SIDE  
LOCKING MECHANISM AND POSITION OF  
SCREWS FOR WOODEN PIECES**



**FIGURE [8]: LEFT SIDE DIMENSIONS AFTER BEING CUT**



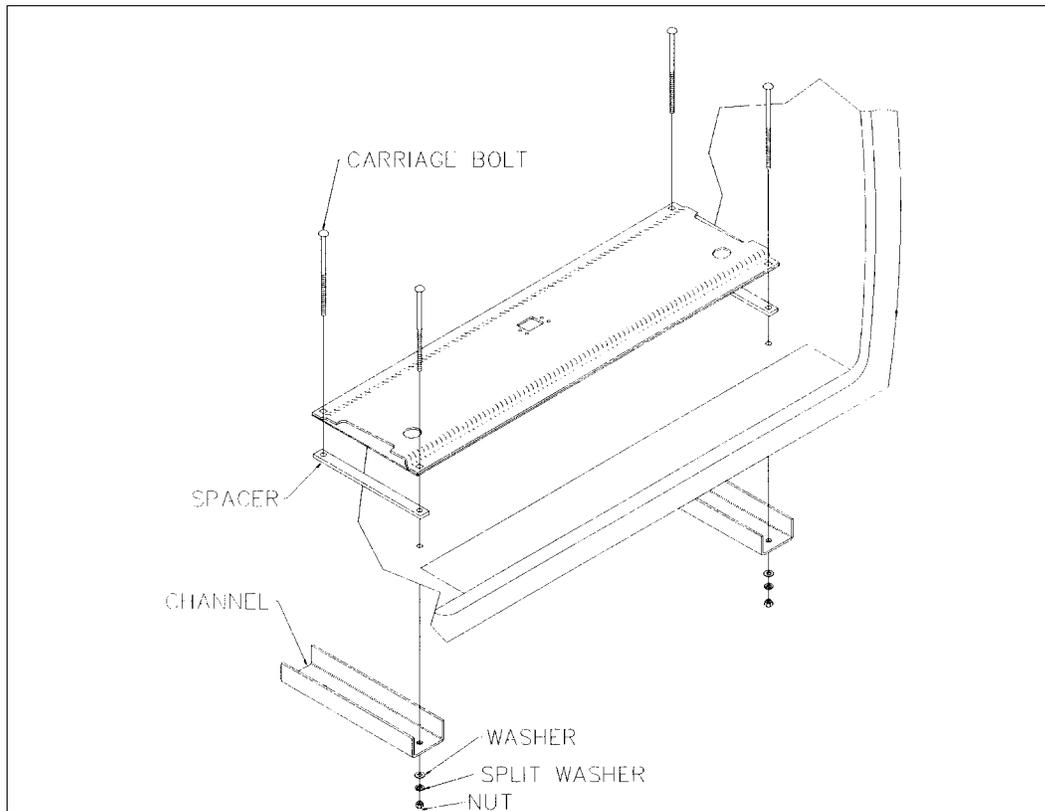
**FIGURE [9]: ROTATING SEATBELT STRAP**

#### IV. LIFT INSTALLATION

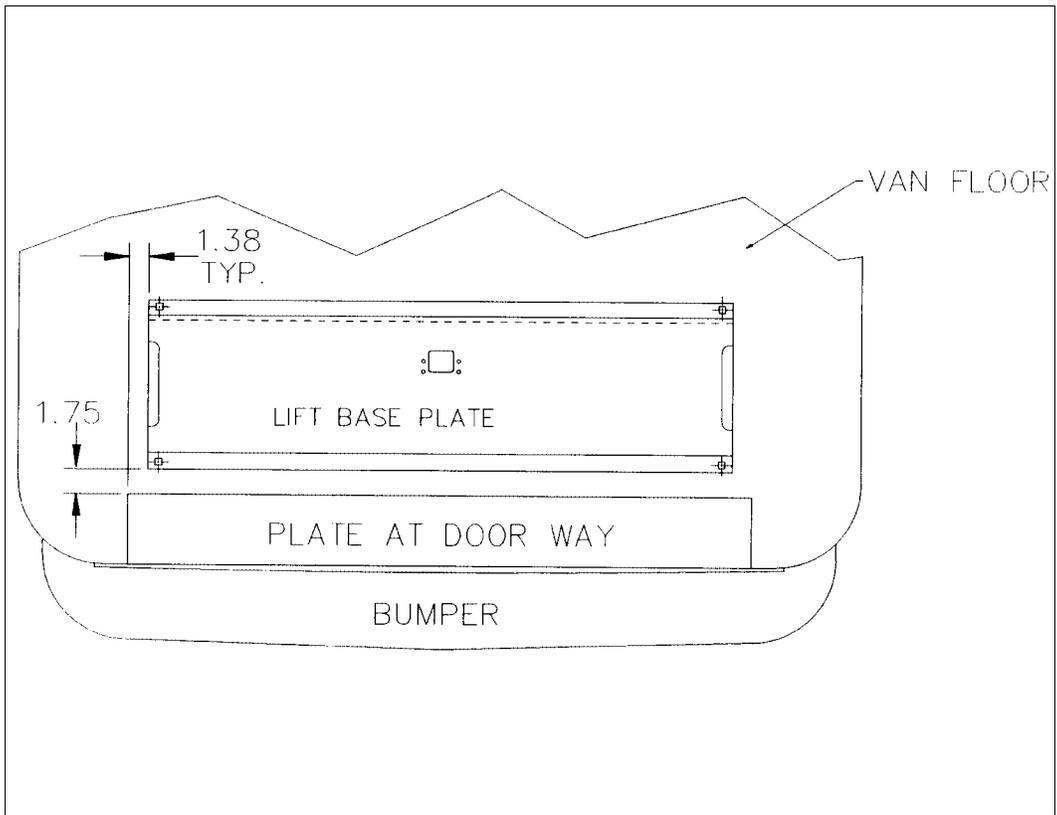
- A. Measure 1.75" from the edge of the plate at doorway and mark (**Figure [12]**).
- B. Measure 1.38" from left most edge of the plate and mark, crossing the previously drawn line in step III.A (**Figure [12]**).
- C. Measure 1.38" from right most edge of the plate and mark, crossing the previously drawn line in step III.A (**Figure [12]**).
- D. Place the lift and match front of the base plate corners with cross sections of the lines drawn.
- E. Mark through four holes on corners of the base plate and remove lift (**Figures [11] & [12]**).
- F. Drill through the marks using drilling guides for straightness (**Figure [11]**).



- G. Place the lift according to drilled holes.
- H. Place the supplied spacers **Figure [10]** one at each end under the base plate of lift **Figure [11]**.



**FIGURE [11]: HARDWARE AND WHERE THEY ARE USED**



**FIGURE [12]: LOCATION OF LIFT IN THE VEHICLE**

## V. CHANNEL INSTALLATION

### A. LEFT CHANNEL

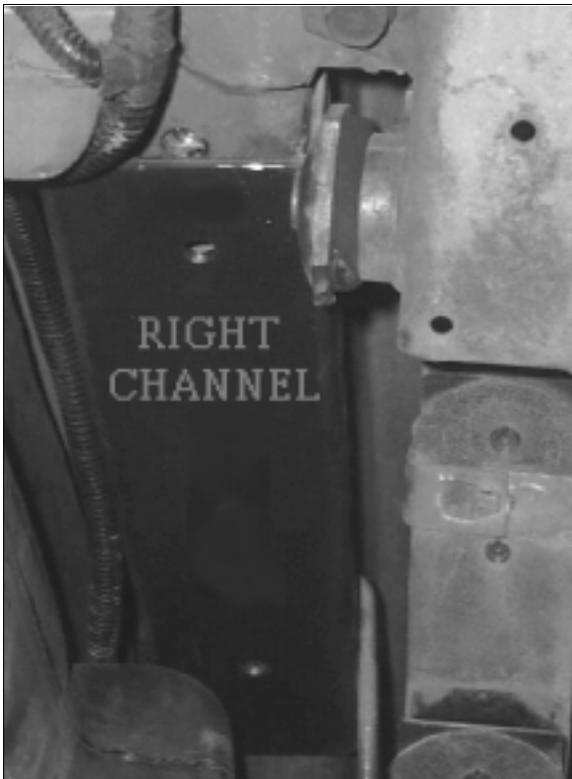
1. Place heatshield on top of the channel and drill necessary holes to reattach heatshield (**Figure [11], [13]**).
2. Bolt down the left side of the lift using two carriage bolts (**Figure [11], [13]**).



**FIGURE [13]: POSITION OF LEFT CHANNEL**

### B. RIGHT CHANNEL

1. Place channel around vehicle frame (**Figure [11], [14]**).
2. Bolt down the lift to vehicle and channel using two carriage bolts (**Figure [14], [15]**).



**FIGURE [14]: POSITION OF RIGHT CHANNEL**



**FIGURE [15]: RIGHT CHANNEL BOLTED**

C. FINAL PREPARATION:



1. Completely lower vehicle onto ground.
2. Install the new bumper brackets and bumper.
3. Install the supplied main circuit breaker as near to the battery as possible (10"-12").
4. Connect the electrical cable from the lift to the main circuit breaker.
5. Connect the battery to the main circuit breaker.
6. Verify operation of lift by using the manual pump.
7. Connect pendant to the lift.
8. Load test the lift 125% (1000 lbs). This should be done several times before the lift is used by anyone.
9. Instruct customer on the proper operation of the lift (Refer to the Operating instruction section of Service/Owner Manual).