

# Installation Instructions

For Your

## ***X-PANDA-CAB***

Camper-Sleeper Unit



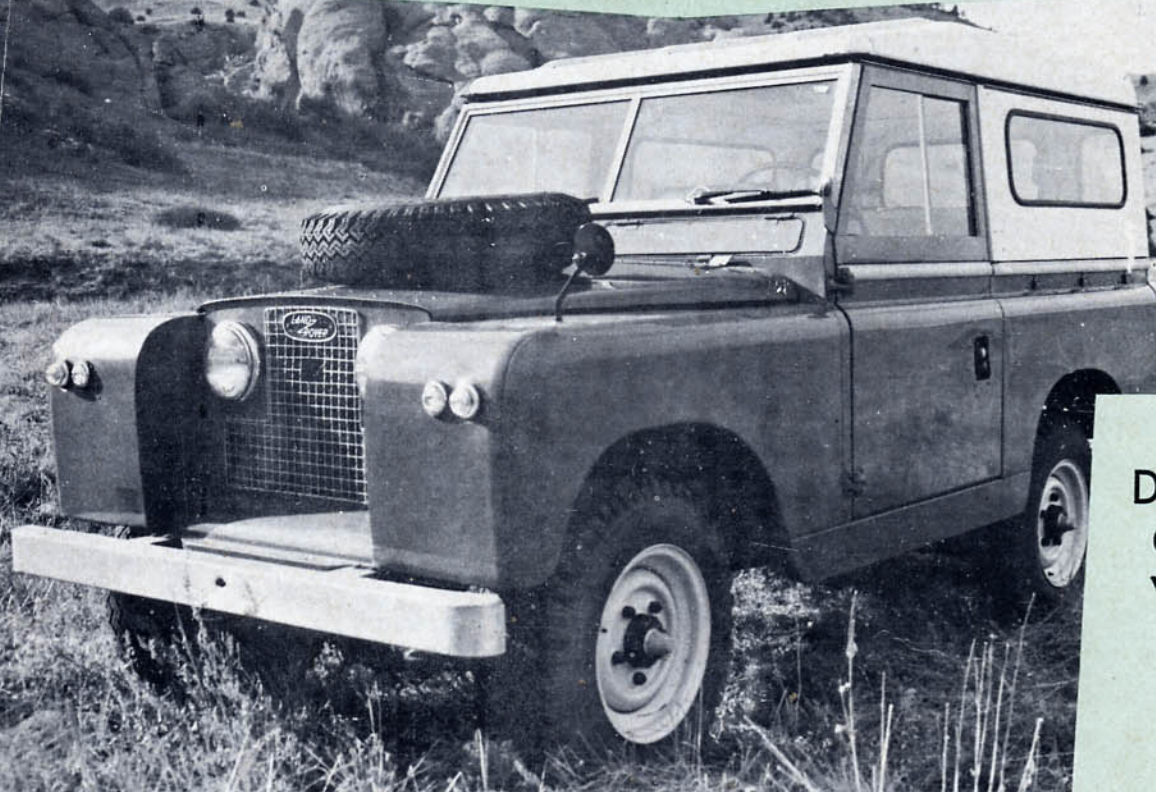
Step by step instructions inside



# LAND ROVER X-PANDA-CAB

*The Invisible Camper-Sleeper Unit*

Patent Applied For



INSTANT  
DOUBLE BED  
COMFORT  
WHEREVER  
YOUR  
VEHICLE  
TRAVELS

PLACE  
STAMP  
HERE



SEND TO:

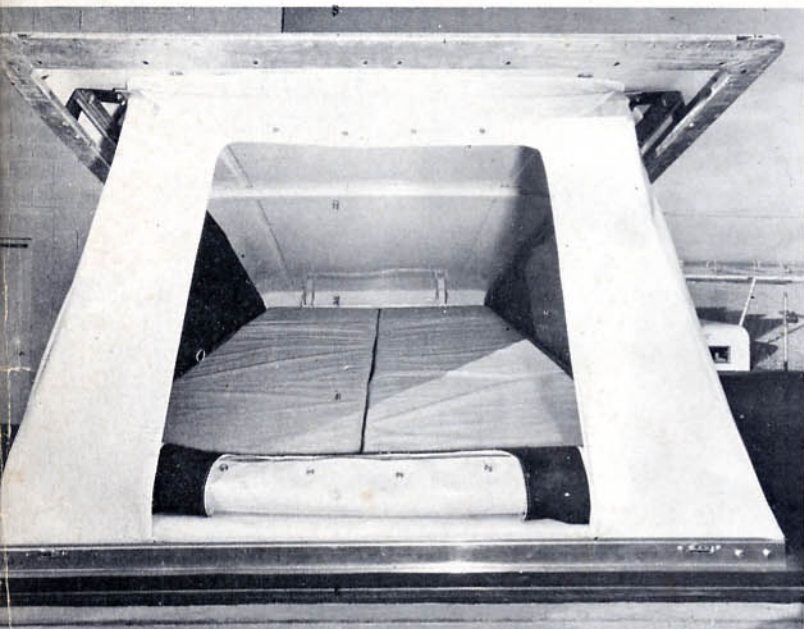


Here's the custom built answer to converting your Land Rover into a comfortable sleeping unit in less time than it takes to raise the top on a modern convertible coupe.

Even the tall ones will find comfort in the 76" x 51" double bed upper sleeping compartment made for adults who like to "rough it" in style. With the sturdy plywood base in place, all you need is your bedroll, or sleeping bag and presto — you're ready for a good nights sleep. Down below in the rear

compartment, there's room for the small fry.

With the unit in camping position, it is roomy enough for a tall man to stand upright, providing a warm comfortable lookout for game during the hunting season. When not in use, the sleeping unit stores neatly in a metal frame above the front seat area, without sacrifice of head room and provides an additional bonus of storage area for bedding, sleeping bags and camping equipment.



The unique 35 pound X-Panda-Cab unit can be simply and permanently installed in all 88" and 109" Land Rovers in approximately 2 hours with only a wrench and screw driver. There are no holes to drill, no change in exterior dimensions or appearance and best of all a substantial increase in useable storage within your vehicle.

X-Panda-Cab's heavy duty aluminum construction matches Land Rovers rugged body and assures maintenance free strength, yet retains the distinctive appearance of your vehicle. The unit seals weather tight against rubber, with inside latches to prevent rattles, as well as enable you to raise or lower the top without going out in the weather.

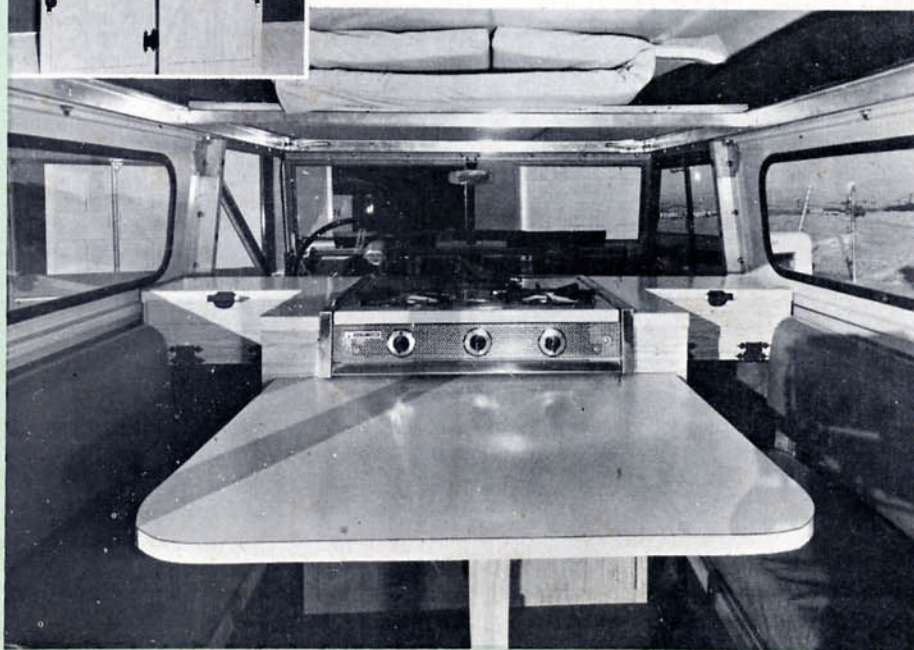
The clear zip out window above the bunk also has Mosquito net covering and side ventilators to assure pest free sleeping with plenty of air circulation.

A year's warranty protects you against defective material or construction in your X-Panda-Cab unit.

This brings us to the wife-pleasing gally unit, designed to make camp life a pleasure. This compact unit an optional accessory, is of strong, light-weight pre-finished plywood construction, custom fitted to your Land Rover. The attractive heat resistant Marlite counter tops make cleaning a breeze. The cabinet latches are designed to keep doors closed regardless of rough terrain. The beautiful propane stove has a baked enamel finish with heat regulator burners and removeable grates for easy maintenance. Under the stove is a cabinet large enough to accommodate an ice chest, with room left over for additional storage. The table top slides in or out instantly for mealtime. Notice that this unit has been designed so as not to effect rear passenger seating area.



As an extra bonus - this unit is easily removed for use outside the vehicle.



Sports Cars of Distinction, Ltd.  
Highway 7 & 171  
Charleston, South Carolina  
PH. 556-2454 OR 766-0666

DEALERS STAMP

The installation instructions for the X-PANDA-CAB on the Land Rover standard 88" hard top models have been designed to make this kit as easy to assemble as possible. To save time and confusion read the instruction booklet thoroughly before starting assembly.

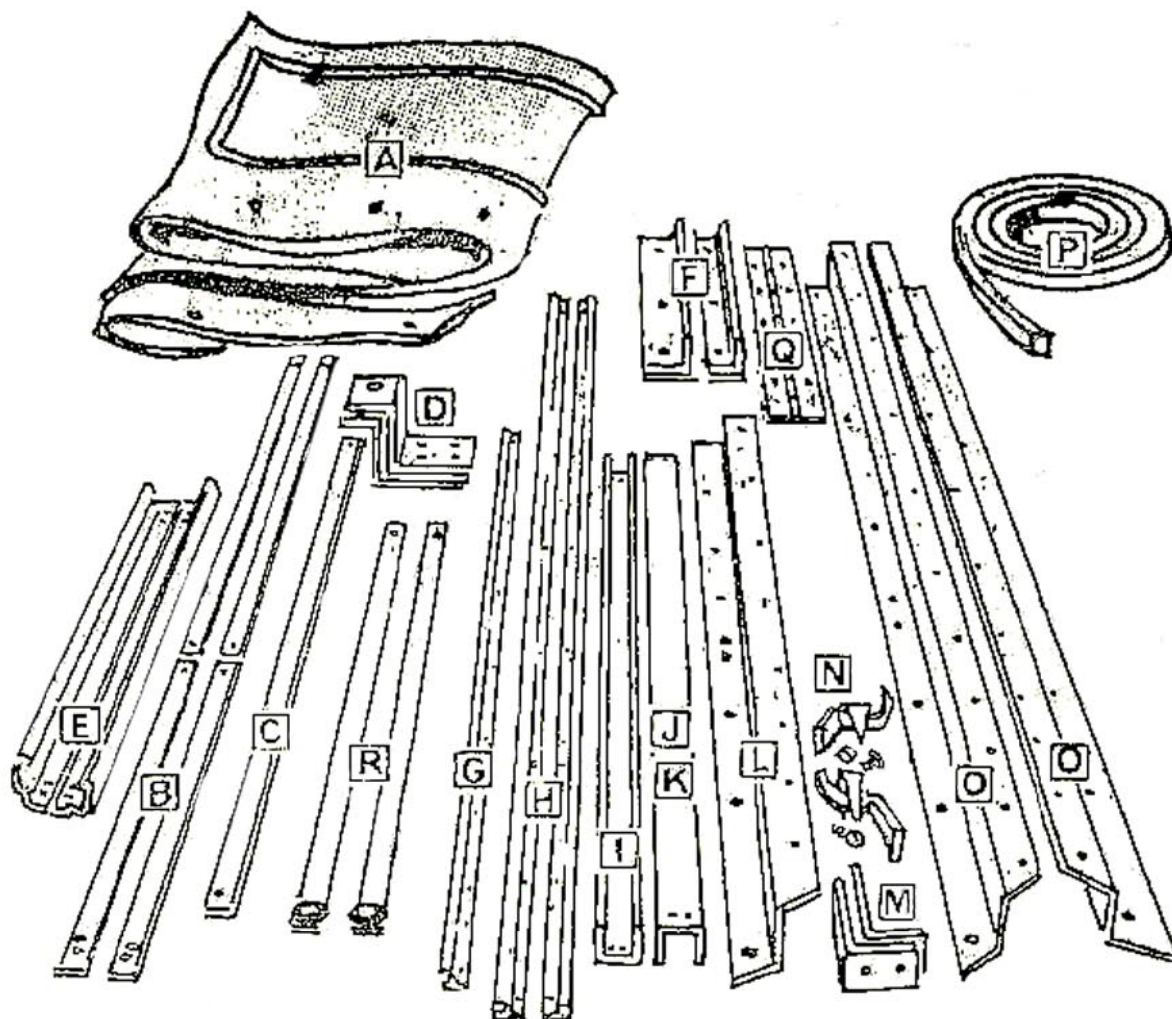
*The X-PANDA-CAB has been engineered to fit your Land Rover, with components designed to fit existing holes and fittings.*

## *Before you begin...*

1. All the tools you need are a screw driver and two 7/16" wrenches.
2. Familiarize yourself with the vehicle top construction.
3. REMEMBER! This unit is made to fit your vehicle—do not drill any new holes, or alter your vehicle in any way.
4. Your X-Panda-Cab will only work if properly installed.

For Station Wagon & 109" models, see page 9



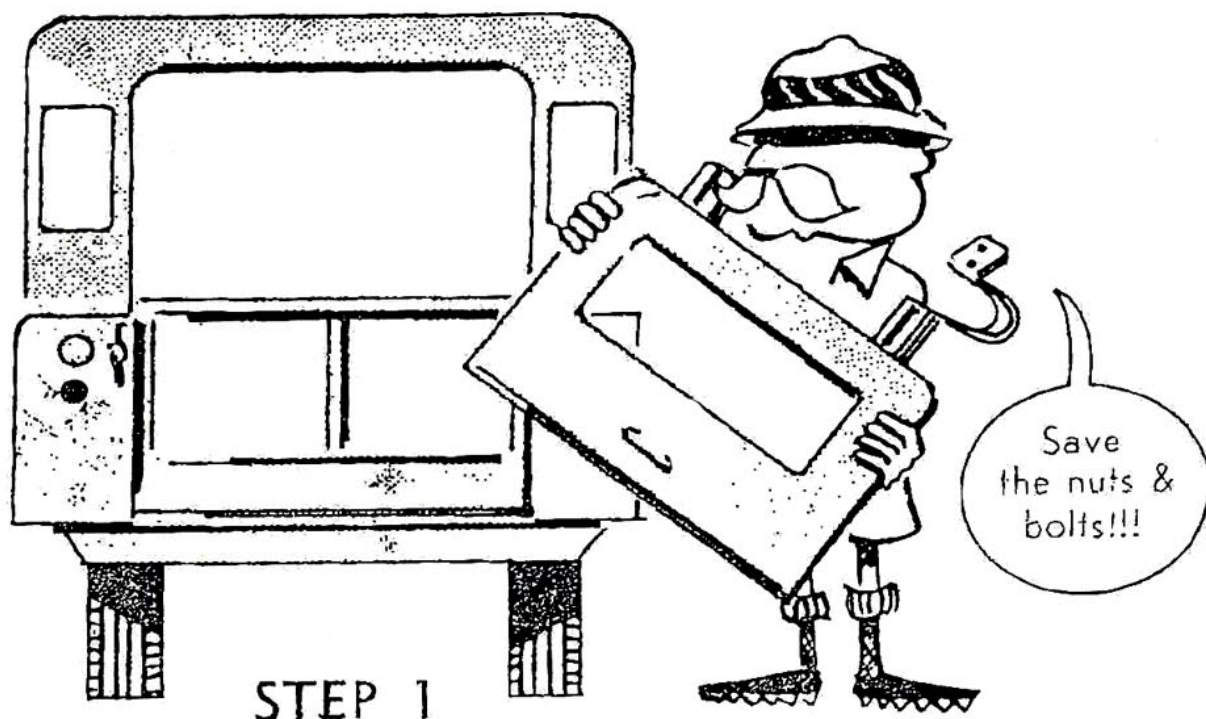


## PARTS LIST

- |  |                                 |
|--|---------------------------------|
| A. Fabric and door flap                  | I. Center cross channel         |
| B. Top fabric rails (left & right sides) | J. Rear cross channel           |
| C. Top fabric rail (front)               | K. Reinforcing channel (center) |
| D. "Z" brackets {3 for each side}        | L. "Z" rail (front)             |
| E. Slide channels {left & right}         | M. Front corner braces {2}      |
| F. Offset roof hinge {2}                 | N. Latch handles {2}            |
| G. Fabric channel (front)                | O. "7" rails {left & right}     |
| H. Fabric channels {left & right}        | P. Rubber gasket                |
|  | Q. Side mount rear door hinge   |
|  | R. Elevating arms {2}           |

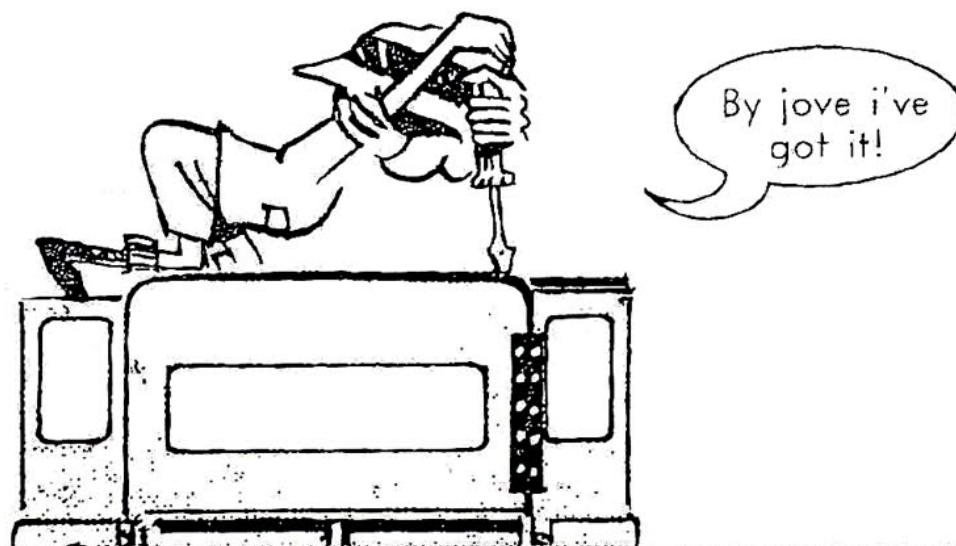
# **X-PANDA-CAB.**

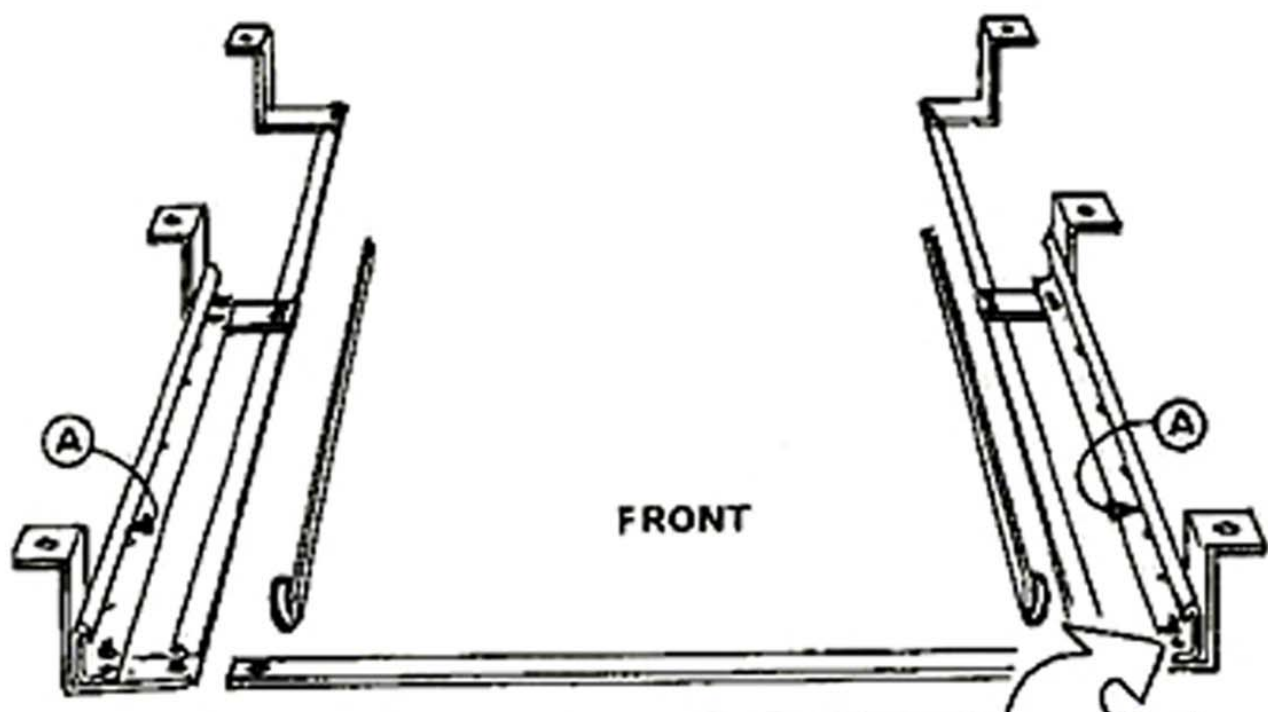
330 NORTH AVENUE GRAND JUNCTION COLORADO



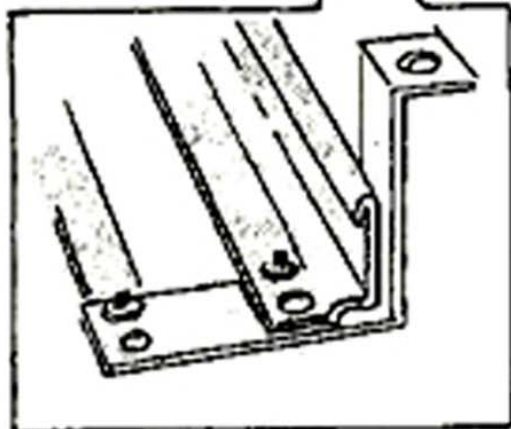
Remove all bolts holding roof to sides and rear walls and windshield. Save these nuts and bolts.

On standard Hard Top models with TOP HINGING REAR DOOR and tailgate, remove door and hinges. Hinge door from the side as shown in the drawing. **DO NOT REMOVE TAIL GATE.** Bolt offset roof hinges on rear of roof and bolt to top of rear walls using countersink bolts. (It may be necessary to use a punch, or other device to bring rear walls back into alignment) This done, raise front of your roof approximately 3 feet and prop securely in place with board or other device.





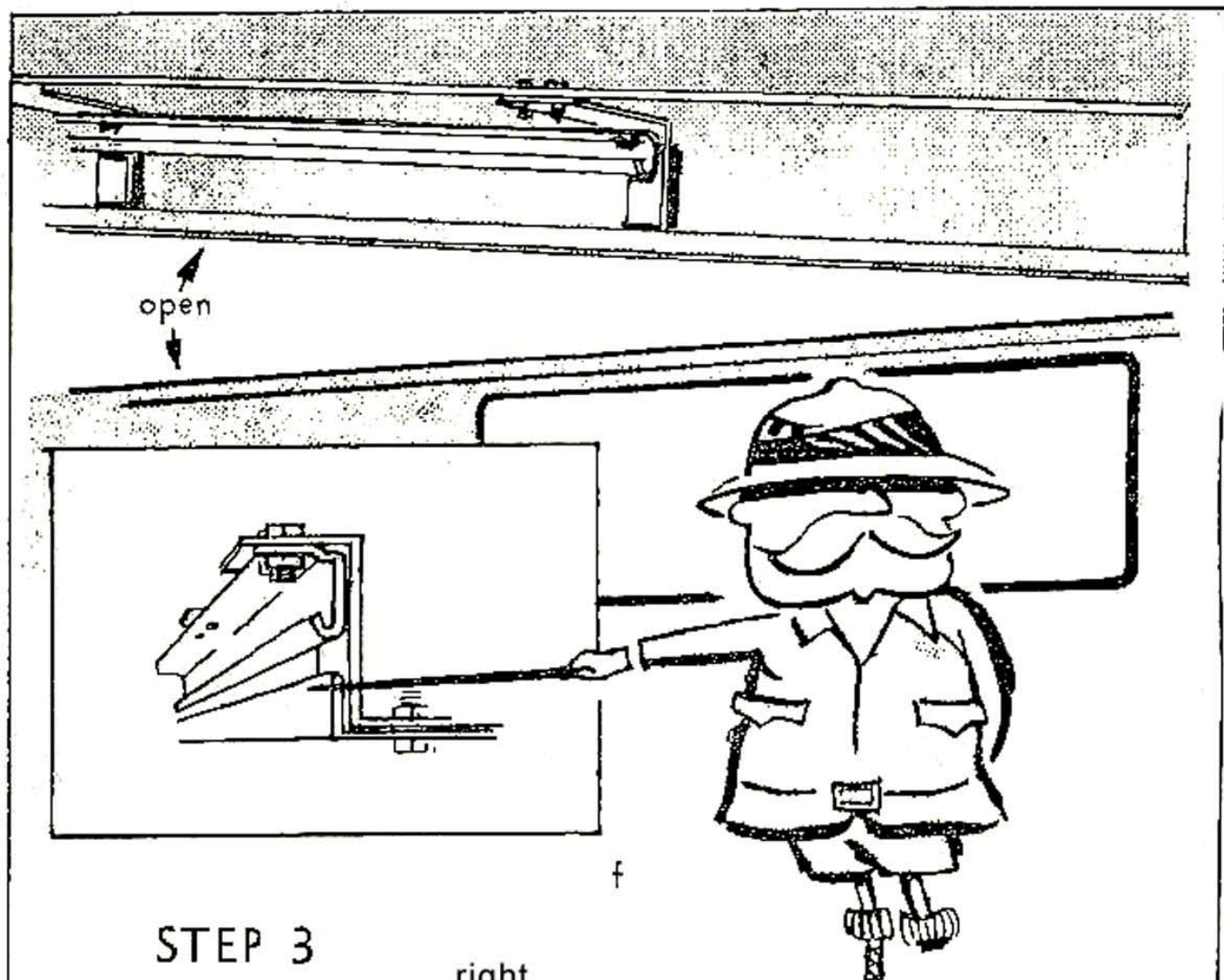
The above drawing shows front view of roof assembly.



## STEP 2

Separate parts shown in above drawing and assemble as shown except for front fabric rail (See parts list). Be sure the locking slot (arrow A) is to the front of the assembly. Use  $\frac{1}{4}$ " bolts from your kit. Tighten the nuts by hand only. Notice that one hole in the forward "Z" brackets is left open to later accommodate the front fabric rail.





### STEP 3

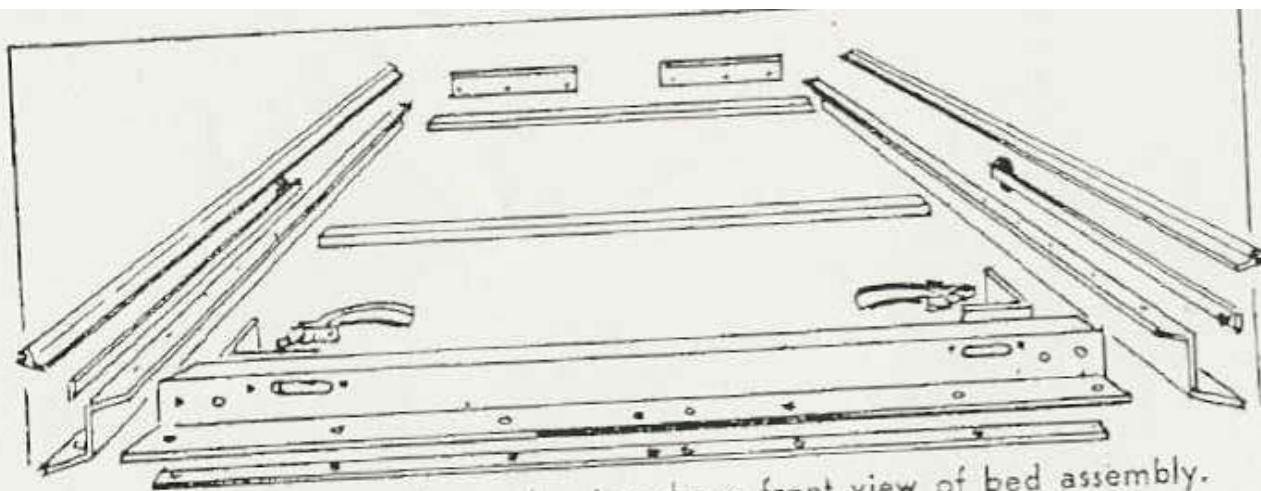
right

Drawing shows the right side roof assembly in place.

Insert assembly as shown. Slide assembly all the way forward in the stationary galvanized roof lip. When the assembly is in proper location, **ALL THE WAY FORWARD** the holes in the "Z" brackets will match holes in the galvanized roof lip.

Install both right and left assemblies using bolts you have saved in removing the roof. Insert bolts from the outside through the galvanized lip first using washers on the inside — on nut end **ONLY**. Now remove left and right fabric rails (2 from each side) of these assemblies. These rails were used to help you space "Z" brackets and will later serve as fabric supports. Leave remaining parts of roof assembly in place and tighten all bolts.

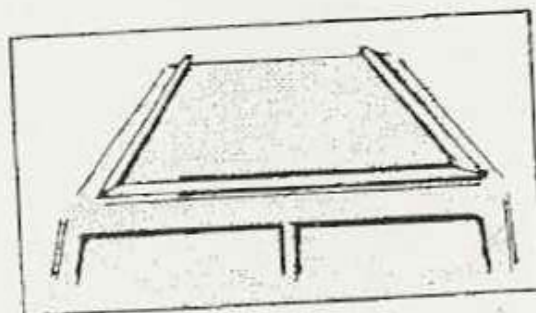




The above drawing shows front view of bed assembly.

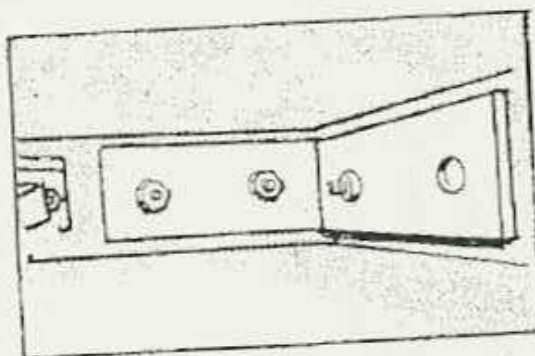
## STEP 4

Attach front and side "Z" rails to the side walls and windshield. Insert bolts from the top through the "Z" rails first — (washers on the inside, or nut end only.) Tighten all nuts by hand only, to allow for adjustment. Use the original bolts you have saved.



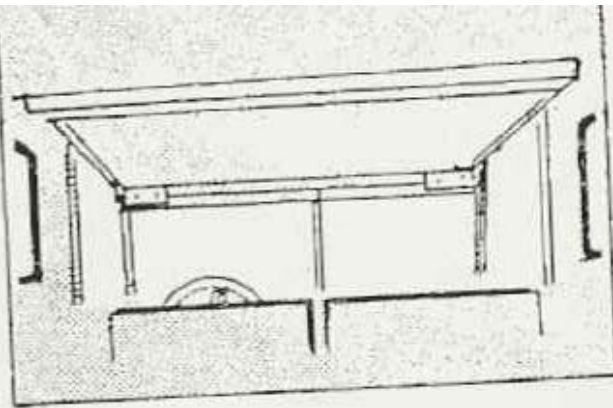
### 4-A

Fit front corner brackets in place on the inside of "Z" rails, bolt brackets to front "Z" rail using  $\frac{1}{4}$ " hex head bolts inserted from the outside through "Z" rail first. Now insert bolt through FRONT hole on side "Z" rails and fasten to corner bracket. DO NOT install rear bolt.

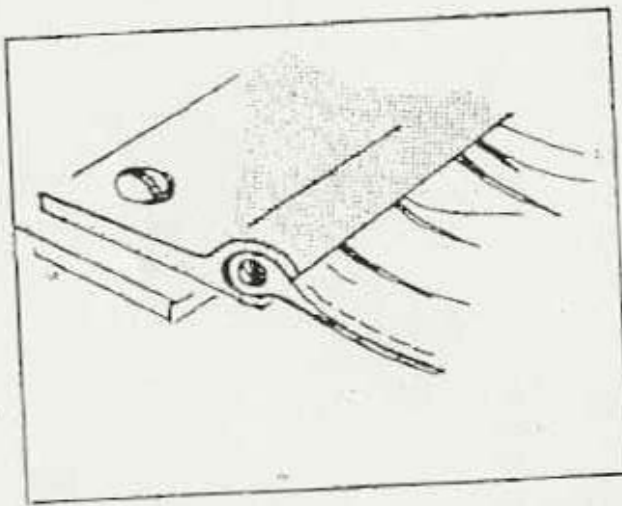


### 4-B

Place elevating arm roller wheels in the roof assembly tracks. Insert counter sink bolts through the opposite end of elevating arm. Placing the large flat washer between arm and "Z" rail and fasten through "Z" rail and remaining hole in corner bracket. Use the lock nut included for this purpose. Draw the nut snugly but not tight, as elevator arms must rise and fall freely.

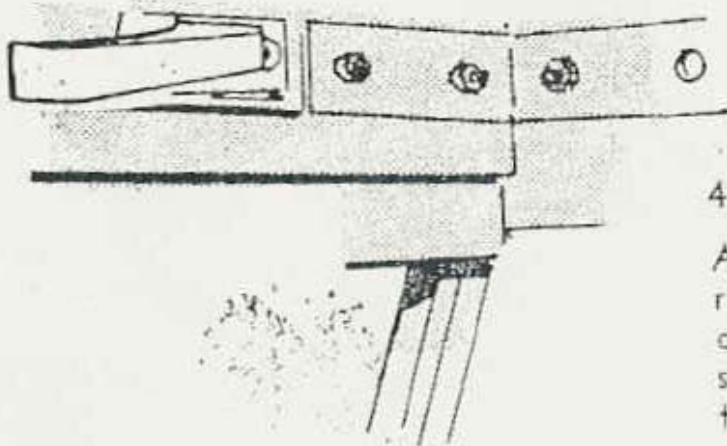


Attach center channel to side "Z" rails using longer channel with holes in each end, matching the holes in "Z" rails. Use counter sink bolts through "Z" rails first. Reinforcing channel fits center cross channel. Note: Small holes in center channel to the front.



4-D

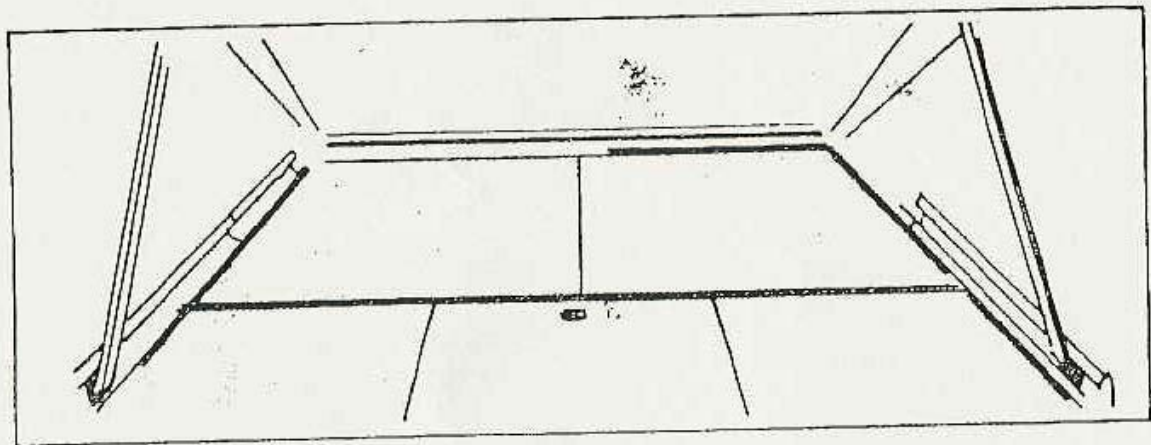
Secure metal fabric channel to the top of "Z" rails using small oval head bolts and nuts, inserted from the top through fabric tube first. Note: Use oval head bolts only from the center channel back and in the two center holes in front "Z" rail. Holes left open here will be used to secure plywood as described in Step 5.



4-E

Attach latch handles to front "Z" rail—handles turned toward the center and curved downward. Use small cap screws and nuts from the outside through "Z" rail first.





## STEP 5

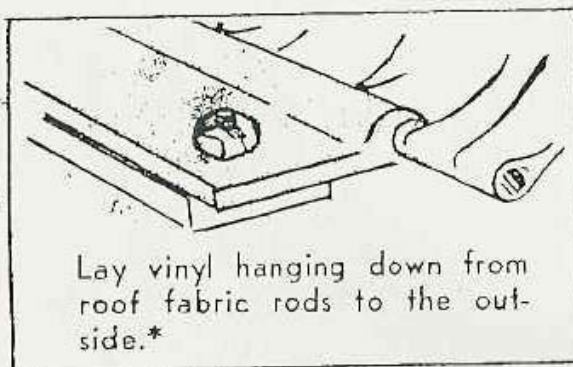
- A. Place the three small pieces of plywood (finished side down) across the front portion of your bed assembly.

Note: The piece with the small hole goes in the center.

- B. Using the small metal screws secure the outside plywood pieces in place inserting screws from the bottom through "Z" rails and center channel first.
- C. The two larger pieces fit on the rear portion and are purposely left loose so that they may be slid forward to allow adequate head room in rear passenger area.

## STEP 6

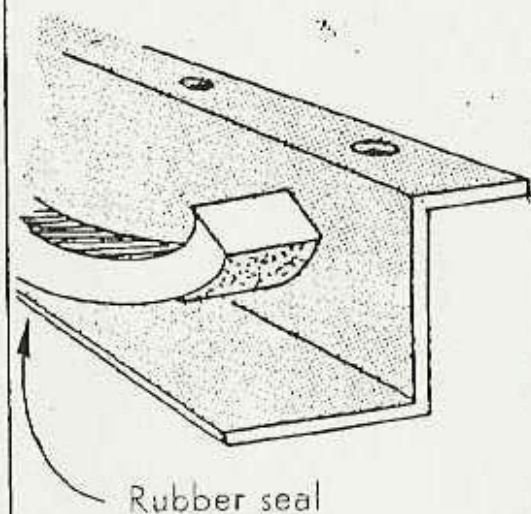
Slip plastic tube into channel sewn in bottom of fabric. Cut three short pieces for the front and one long piece for each side. Note: Cut tubing  $\frac{1}{2}$ " shorter than channels.



Lay vinyl hanging down from roof fabric rods to the outside.\*

Slide bottom of front portions into front bed assembly metal fabric channels. Then slide bottom of side portions into side metal fabric channels.

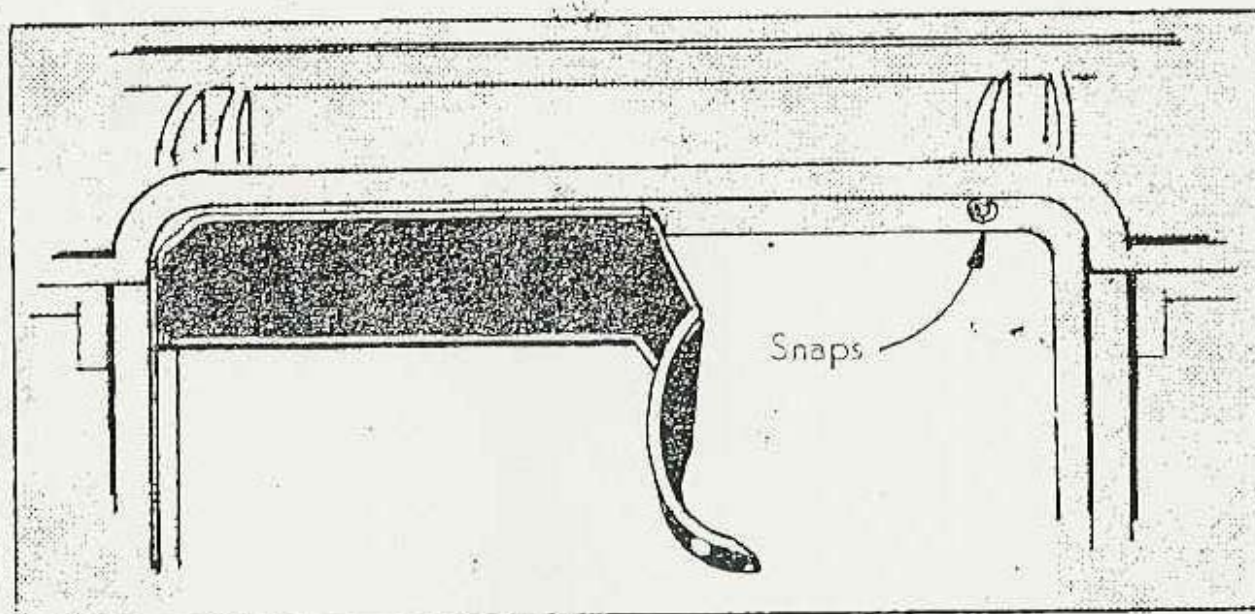
Slide roof assembly fabric rods (Front and sides) into sleeves near top edge of fabric and secure these to the top of roof assembly "Z" brackets using  $\frac{1}{4}$ " hex head bolts.



## STEP 7

Place rubber weather-strip tape around **OUTSIDE EDGE** of "Z" bar as shown.

Note: Be sure to weather-strip area between roof hinge surfaces.



## STEP 8

Drawing shows snap studs in place over rear door (arrows). Remove the three pan head screws and install these studs.

Snap door flap in place. This flap will seal off a small opening above the door which exists only when the unit is in the upright, camping position.



# Additional Instructions & Alterations for Land Rover Wagons & 109 Hardtops

## ALL STATION WAGON MODELS.

1. Station wagons—Remove small brackets from front of headliner which fasten to galvanized lip on roof over windshield. DO NOT REMOVE THE HEADLINER.
2. Station wagons—Remove interior head pads along top side of walls. These can be re-installed by securing to "Z" rails with metal screws, inserting screws from the outside through the "Z" rail first. Note: Holes must be drilled for this purpose.
3. Station wagons—Remove trim panel over windshield. This can be replaced, however 2 slots must first be cut to accommodate latch handles, and ends must be altered to accommodate "Z" rails.
4. Station wagons—Rewire dome lights, using 14 gauge coated wire.

## ALL 109" MODELS

You will find installation of the 109" models will vary from 88 only in length. There is an additional piece of "Z" rail for each side to compensate for this additional length. Also you will find one additional cross chanel brace and three additional pieces of plywood. The six smallest pieces of plywood go over the two forward positions.

The Leafsprung Resource

# Pangolin

541-606-0095

pangolin4x4@aol.com

## 4X4



# Instructions for the Use & Maintenance of Your X-PANDA-CAB Sleeper Unit

1. Lubrication and proper adjustment of the elevating arms is vital to the operation of your unit. Lubricate at both ends, at the roller end and at the pivot point with light machine oil. The bolt which secures the arm to the "Z" rail must NOT be too tight. When properly adjusted, elevating arms will drop in and out of lock position easily as the unit is raised or lowered. ALWAYS BE CERTAIN THE ELEVATING ARMS ARE FIRMLY LOCKED IN THE LOCKING SLOT OF THE SLIDE RAIL.
2. As you lower the unit to travel position, be certain all fabric breaks to the inside. After the unit has been used several times, the fabric will follow this fold automatically.
3. To obtain additional headroom for tall passengers in the rear seating area, turn plywood pieces sideways and you will find they store nicely over the forward area.
4. Since the unit is designed to seal tightly on rubber, you may find it necessary to pull down lightly on the outside edge of the roof when engaging the latches. This will only be necessary the first few times.
5. The vinyl covering may be washed with any ordinary soap and water.

*The X-PANDA-CAB has been engineered to fit your Land Rover, with components designed to fit existing holes and fittings.*