

The following Installation Instructions explain how to mount and use the INNO system carrier attachment system designed for loading 3 surf boards or 2 long boards. After reading this manual, keep it in a safe place along with the installation instructions for attachment systems. If you have any questions regarding this manual, please contact us listed at the end.

**CAUTION**

Failing to observe these cautions may lead to accidents that may cause death or serious injury.

**Note**

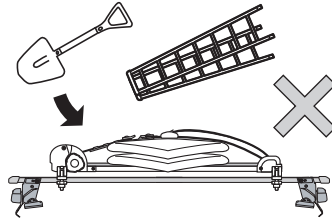
These notes explain points that you should know about when using the roof box.

**ATTENTION**

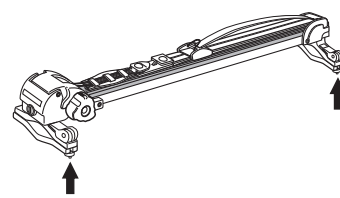
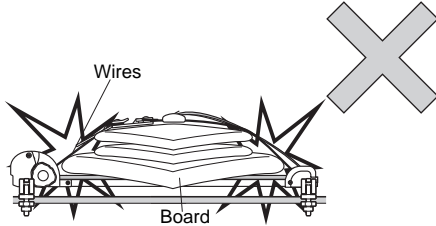
Failing to observe these attentions may lead to injuries, or damage to the roof box, vehicle, and surrounding objects.

**CAUTION**

This is a dedicated attachment for carrying up to 3 short surfboards or up to 2 long or sail boards. Maximum loading capacity varies depending on vehicle type. Check appropriate limits for your car in the Fit Guide. Do not load objects other than surf or sail boards. Follow the illustrations below when loading boards.

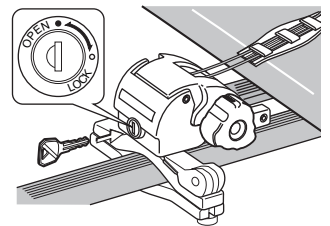


If multiple bare boards are stacked, do not allow cables to contact boards. Cables may scratch board surface.

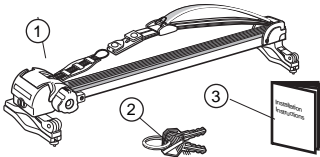


After installing and before driving the vehicle, shake the attachment in all directions to ensure that there is no looseness in any of the four mounting knobs. Retighten any loose knobs.

Be sure to lock cover with key before driving. If cover is not locked, release lever may open accidentally causing board to drop. This system is a theft deterrent. Boards should not be left unattended for long periods of time.

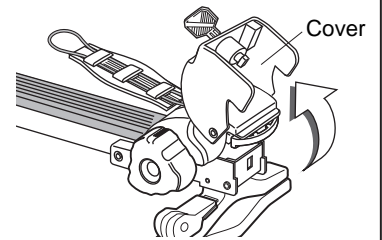


The Board carrier includes the parts listed below. Verify that all parts are included with the carrier you have purchased. In the event any of these is missing, contact our service center as listed at the end of this manual.



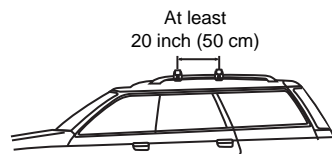
No.	Part	Qty
①	Frame bar assembly	2
②	Key	1
③	Installation Instructions	1

**2** Release the lock and open cover.



**Preparing for Installation**

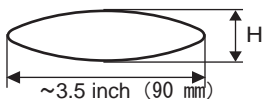
The distance between the front and rear carriers must be at least 20 inch (50 cm). If necessary, adjust after-market or factory-installed crossbars to meet this minimum distance.



This product will fit square, round & most factory crossbars.\*1 If you do not have factory crossbars, mount the carrier stays and bars according to the procedures described in the Basic Carrier System Installation Instructions.

\*1: Round bars require adapter (sold separately)  
Some factory crossbars require long bolt kit (sold separately)

**MAXIMUM CROSSBAR SIZE**



H : ~1.2 inch (30 mm) [Without option]  
1.2~2.0 inch (30~50 mm) [Needs long bolt kit]

**3**

For installation on Factory Cross Bars go to step **4**

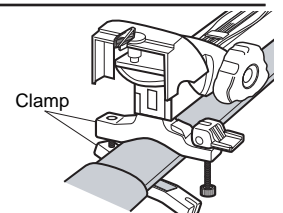
For installation on Aftermarket Round Bars go to step **7**

For installation on Aftermarket Square Bars go to step **9**

**4**

**Note** It is possible in the course of normal use, the carrier may leave marks on the crossbars.

Open the clamp by pulling the lever until it is pointing away from the carrier as in the illustration. Slide the knob out from the lower half of the clamp. Loosen both knobs so that they are at their loosest position. Place the carrier onto the cross bar.



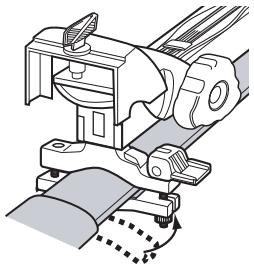
Installing Carrier on Factory Cross Bars

**1** Mount your base rack system according to the procedures described in the installation instructions for the rack. Consult your vehicle's owner's manual for information regarding the operation of your factory-installed rack if it will be used for this application.

**CAUTION**

The distance between the front and rear crossbars should be at least 20 inch (50 mm)

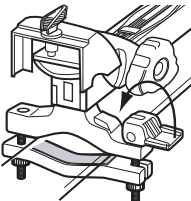
**5** Slide the lever-side knob back into the slot in the lower half of the clamp. With the lever in the opened position, tighten both knobs until you just begin to feel tension. Do not overtighten. Try to keep the lower half of the clamp parallel to the bottom of the crossbar when adjusting knobs.



Installing Carrier on Factory Cross Bars

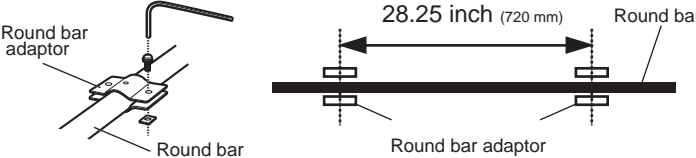
**6** Close the lever. In the closed position, the smooth side of the lever should face up. If the lever is too tight to close, loosen it by turning it counter-clockwise one complete revolution. Try to close the lever again. Repeat this procedure until you can close the lever.

**Note**  
The lever should not be too easy to close. If the lever is too easy to close it may not be tight enough. Make sure to check that the clamp is mounted securely by checking for play between the clamp and crossbar.



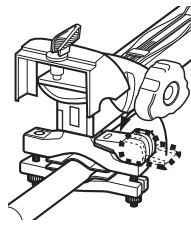
Installing Carrier on Factory Cross Bars

**7** Remove the rubber pads from the top half of each clamp. Install the 2 round bar adapters (sold separately) on each bar keeping a distance of 28.25 inch (720 mm) between adapters. This distance is measured from the center of the adapter. Mount adapters so that they are parallel to the ground.




Installing Carrier on Aftermarket Round Bars

**8** Place clamp over the round bar adaptor. Continue following the mounting directions for "Installing Carrier on Factory Cross Bars".



Installing Carrier on Aftermarket Round Bars

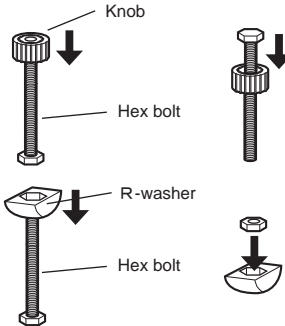
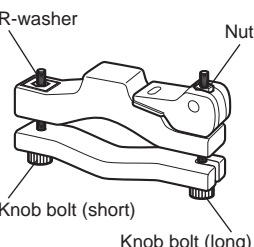
**9** Remove the rubber pads from the top half of the clamps. Follow the mounting directions in the "Installing Carrier on Factory Cross Bars" section.



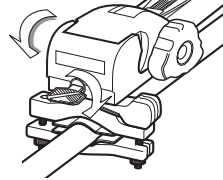
installing Carrier on Aftermarket Square Bars

If the space between the crossbar and the roof is tight, the tip of the bolt may contact the roof. If this happens, reverse the hex bolt according to the following steps.

1. Remove the plastic knob from the nut by pushing down on it as in the illustration.
2. Remove the R-washer from the other bolt in the same manner.
3. Insert the hex bolt into the knob remove in step "1".
4. Insert the nut into the R-washer.
5. Insert the knob bolt through the lower clamp and tighten.
6. Continue following the steps in the Installation manual.

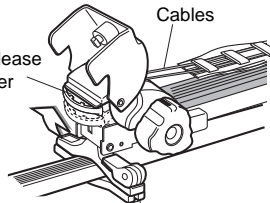



**10** Close cover and lock with key.

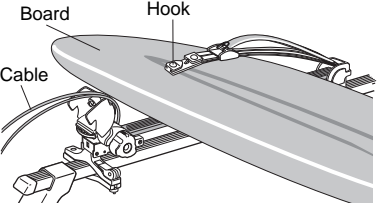


**11** Using the Board Carrier Loading boards:  
Release lock, open cover and draw out cable while lifting release lever.

**Note**  
Cable cannot be drawn out unless release lever is lifted.

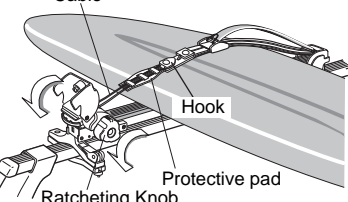


**12** Remove cable from hook and load board.



**13** Guide cable loop over hook and turn ratchet knob with both hands to reel in cable.

**CAUTION**  
Be careful not to overtighten cable as board may crack or deform.



**14** Adjust position of protective pad on cable so that it contacts and protects the edge of board.

**CAUTION**  
When stacking multiple bare boards, do not allow cable to contact boards.

Protective Pad

Board

Cable

**15** Close cover and lock with key.

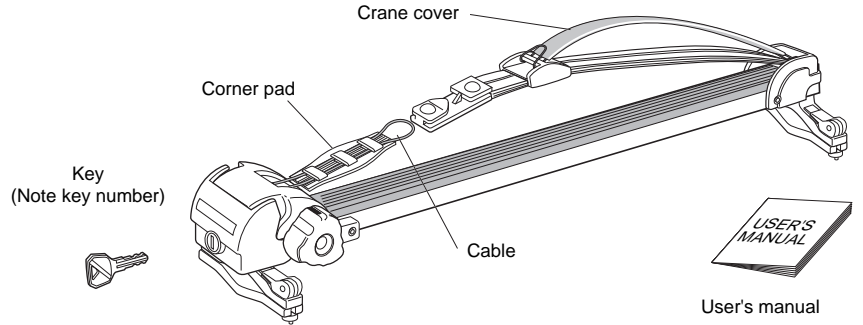
**CAUTION**  
If cover is not locked, release lever may open accidentally, causing board to drop.

**Note**  
Cover will not stay closed unless locked by key.

### Genuine Replacement Parts

The following genuine replacement parts are available for this carrier. Specify the part number when ordering any part from the store where you purchased your system.

**Note**  
The specifications and external appearance of the carrier system and genuine replacement parts are subject to change without prior notice in the interest of product improvement.



### Contact Information

If you have any complaints, requests or comments, please contact us listed right. CARMATE shall not be held liable for any accidents or incidental losses arising from improper installation or use, nor for those arising from installation or use after the customer has made any change to the system's original configuration or specifications.

\* Specifications and exterior design are subject to change without notice for purposes of improvement



CAR MATE USA, Inc

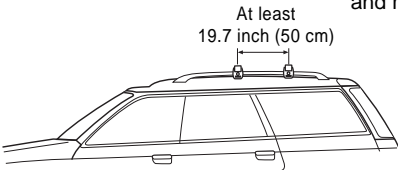
383 Van Ness Ave. Suite 1603, Torrance, CA 90501 U.S.A  
support@innoracks.com www.innoracks.com

Read and understand this user's manual thoroughly before using the your new board carrier and be sure to follow all usage instructions. Keep this manual in a safe place so that it's handy for reference anytime.

If you sell or give away the board carrier, provide this manual to the new owner to ensure safe installation and usage.

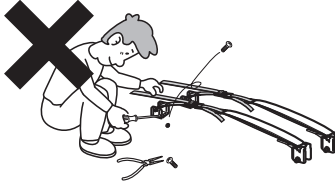
If you have any questions regarding the information in this manual, please contact the service center listed at the end of this manual.

**Caution**




At least  
19.7 inch (50 cm)

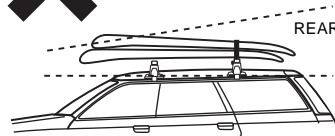
There should be a distance of at least 19.7 inch (50 cm) between the front and rear crossbars.



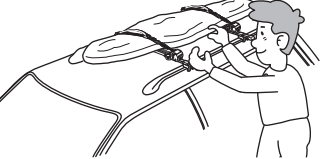
We cannot guarantee the performance of racks or crossbars made by other manufacturers when used with the Board Locker. Please make sure that they are installed correctly and in good condition. Do not attempt to modify your rack.



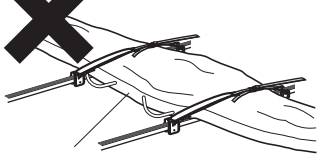
Obey all posted speed limits. Drive slower under strong winds or on rough roads.




If multiple surf/sail boards are stacked, rear end must be higher than front end. If front end is higher, air resistance increases and may place undue strain on carrier.



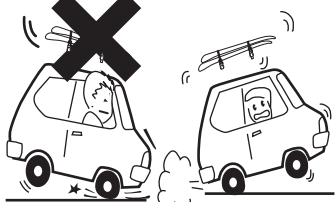
Before driving, shake board in all directions to inspect belt tension. Retention loose belts.



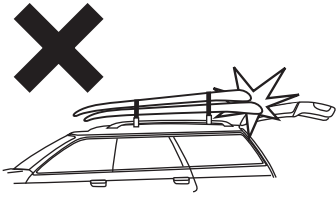
Do not load sail boards or long boards in bag. Only short boards can be loaded in bag.




If a short board is loaded in a bag, secure it firmly to prevent moving.



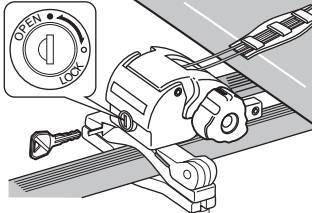
Do not make hard starts, unnecessarily sharp turns, abrupt maneuvers or sudden stops. In case you have to perform such a maneuver, always check afterwards to see that the carrier and cargo remain secure.



Be careful not to hit the surfboards or sailboards with the vehicle's tailgate or trunk lid. In case your gear is accidentally hit by the tailgate or trunk lid, be sure to check the carrier's mounting condition.



Do not drive your carrier through a car wash. Always remove the carrier system before running your car through a car wash.



Be sure to lock cover with key before driving. If cover is not locked, release lever may open accidentally causing board to drop. This system is a theft deterrent. Boards should not be left unattended for long periods of time.

**Daily care and storage**

- 1** Wash any mud off the carrier system.
- 2** Use a damp cloth to wipe away dust and dirt.
- 3** Clean the carrier system and check for the following:
- 4** Store all components of the carrier system together in one place to prevent any component from being lost. Avoid storage in areas subject to direct sunlight, high temperature or excessive humidity.

**Note**  
Do not use thinner or other solvents.

**Check Items**

- 1) Worn screw threads
- 2) Key deformation
- 3) Holder deformation
- 4) Cracking in the components of the carrier system