

RH722 Instruction Manual

Introduction

Thank you for purchasing this Car Mate INNO Winter Carrier.

Before using your new Car Mate INNO Winter Carrier, please read through this instruction manual carefully, and make sure you are using your carrier correctly.

After reading this manual, store it in a safe location where the person(s) who will be using the carrier can easily refer to it at any time.

If you have any questions that are not answered in this manual, please contact the service center listed on page 6.

CAUTION

This symbol indicates potential accidents which may cause serious injury or death by the carrier or items loaded into the carrier falling, and involving nearby people or vehicles.

- Before using this carrier, check to make sure it is compatible for use with your car model.
- Before using this carrier, check the type of objects that can be loaded and maximum loading capacity of your car model.
- Before driving, make sure that all knobs and bolts are tightened securely.
- Always drive safely.
- Do not adapt or alter this carrier in any way.
- Always lock the carrier using the key before driving.

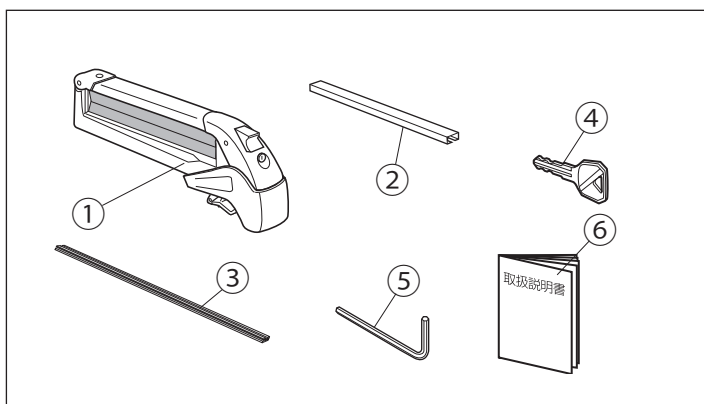
ATTENTION

This symbol indicates potential accidents that could cause injuries, or damage to the carrier, vehicle, or objects loaded into the carrier.

- Mount the front and back carriers so that they are between 19.7–39.4 inch (50–100 cm) apart.
- Always drive safely.
- Do not open the sunroof.
- Do not use automatic car wash.

Check the Product Contents

This carrier contains the following parts. Check to make sure you have all of the necessary parts. If for some reason you find that a part is missing, contact the service center listed in this manual.



No.	Part	Quantity	No.	Part	Quantity
①	Carrier	4	④	Key	2
②	Frame	2	⑤	Allen wrench	1
③	Frame seal	1	⑥	Instruction manual	1

Prepare the Necessary Tools

You will need the following tools to install this carrier.

Tool	Quantity	Tool	Quantity
Scissors	1	Tape	3.93–5.9 inch 10–15 cm
Pencil	1	Tape measure (That can measure to 39.4 inch (1 m))	1

Installing the Carrier

The following instructions explain how to install this carrier.

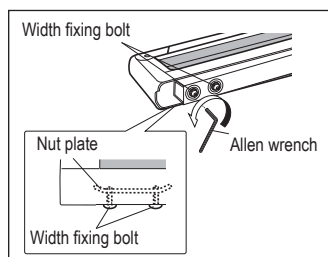
Note

Please note that marks may be left on the vehicle in the places where the carrier touches the vehicle body.

1 Partially assemble the carrier.

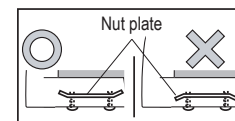
In order to decide the correct installation position for your carrier, partially assemble your carrier.

- ① Clean the vehicle's roof rails.
- ② Use the allen wrench to loosen the 2 width fixing bolts. Make sure you do not unscrew so far that the nut plate comes off.

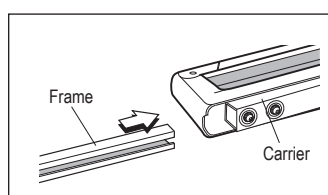


CAUTION

If the nut plate comes off, make sure it is facing the right way, and reattach it.



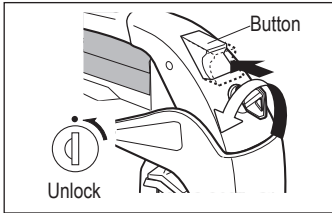
- ③ Insert the frame to the carrier with the frame groove facing downwards.
- ④ Temporarily tighten the width fixing bolts to the extent that the frame can still move.



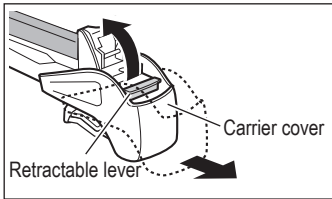
2 Place the carrier onto the vehicle.

To decide the installation position, place the partially assembled carrier on the vehicle.

- 1 Insert the key into the key hole, and turn it left to unlock the carrier.
- 2 Press the button and open the clamp arm.

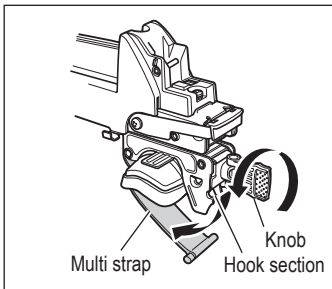


- 3 Lift the retractable lever (blue) a short way, pull the carrier cover towards yourself and remove it from the carrier.

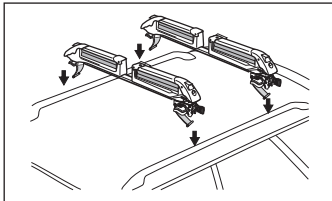


When the cover is removed, the carrier's stay is exposed.

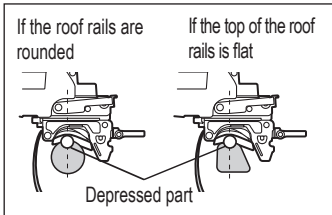
- 4 Loosen the stay knob, and remove the multi-strap from the hook section.



- 5 Place the carrier on the vehicle.

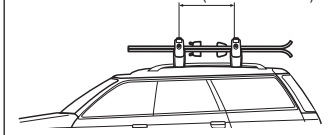


- 6 Align the depressed part of the base section of the stay with the center of the roof rail, and place the carrier on the rails.



- 7 Adjust the position of the carrier so that the bindings can rest between the front and back carriers.
The general size for carrying adult skis or snowboards is 29.5 inch (75 cm).

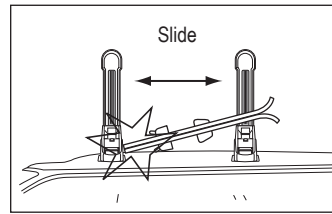
Recommended 29.5 inch (75 cm)
Between 19.7-39.4 inch (50 cm-100 cm)



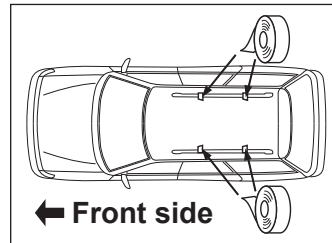
Note

Installing the front side carrier as close as possible to the front of the vehicle will make it easier to load skis or snowboards onto the carrier, and will reduce interference with the trunk door.

- 8 If you plan to carry children's skis, short skis or short snowboards, reduce the gap between the front and back carriers.
If the skis or snowboard are too short, they may slide and fall from the carrier. Therefore, always slide the skis/snowboard back and forth to make sure that they won't fall off.



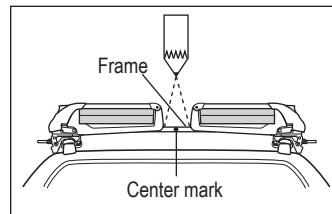
- 9 When you have decided on the installation position, mark the positions using the tape.



Note

You can remove the tape after installing the carrier. Leaving the tape on the car may cause bond from the tape to remain stuck on the car, which may then become dirty.

- 10 Adjust the position so that the center mark of the frame is aligned with the center of the vehicle, and mark the position on the frame using the pencil.

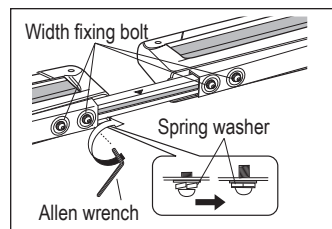


- 11 Remove the carrier from the vehicle.

3 Fix the carrier width.

Before properly fixing the carrier onto the vehicle, fully assemble the carrier.

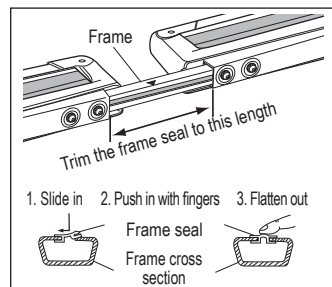
- 1 Align the frame with the marks that you made, and use the allen wrench to tighten the 4 width fixing bolts.



ATTENTION

Tighten the bolts until the spring washers are squashed flat, and then continue to tighten until the bolts are securely tightened.

- 2 Cut the frame seal to the length of the groove on the rear side of the frame.
- 3 Slide one side of the frame seal into the frame, and then press the other side of the frame seal in with your fingers. After pressing the frame seal into the frame, flatten it out with your fingers.



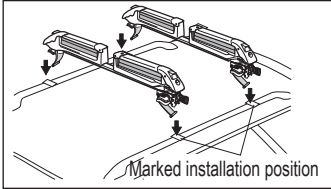
Note

Insert the frame seal into both the front side and rear side carriers.
If you do not fill all of the groove on the rear side of the frame with the frame seal, "wind roar" noises may occur when driving.

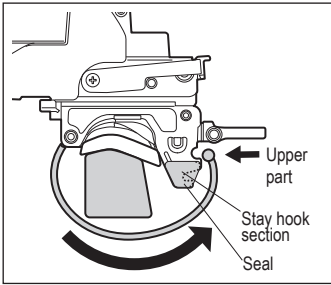
4 Fix the carrier onto the vehicle.

After fully assembling both the front and rear carriers, fix them onto the vehicle.

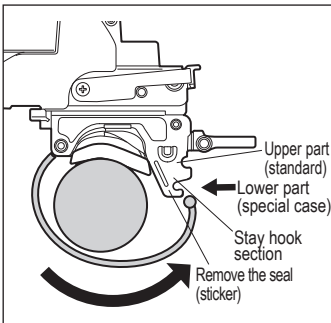
- Align the carriers with the marked installation positions, and place the carriers onto the vehicle's roof rails.



- Loosen the multi-strap enough to pass it below the roof rails and hook onto the upper part of the stay hook section.

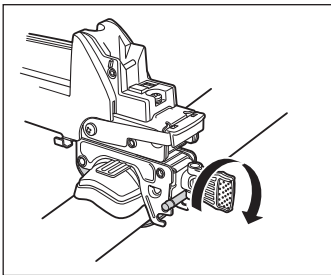


When the vehicle roof rails are thick



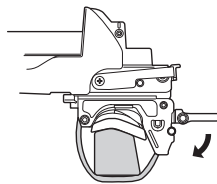
If the multi strap is extended to its maximum length yet it still does not reach, remove the seal and hook the strap onto the lower level of the hook section.

- Alternate strongly tightening the knobs for the left and right stays, and securely fix the stays onto the roof rails.

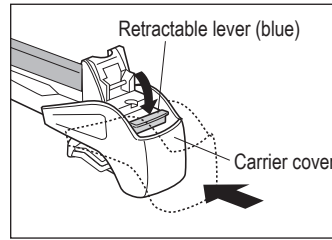


ATTENTION

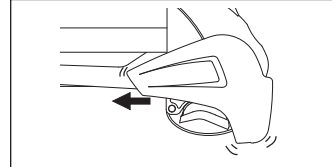
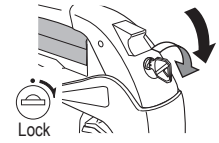
Tighten the knobs until they become horizontal, and then fold them underneath.



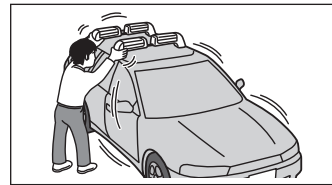
- Attach the carrier cover from the near side, and lower the retractable lever.



Close the clamp arm, insert the key and turn it to the right to lock the clamp, then remove the key.



Insert the carrier cover firmly as far as it will go. If it is not inserted firmly, the carrier cover will rattle. If the carrier cover rattles, insert the cover again correctly.

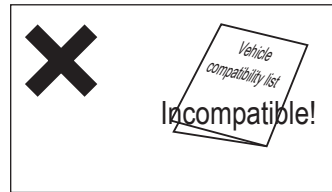


ATTENTION

Check to make sure that there are no rattling sounds caused by loose knobs in both the front and back carriers by shaking the carriers forwards and backwards, up and down, and right to left.

CAUTION

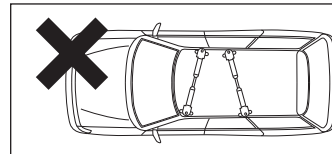
Never use this carrier on an unsuitable vehicle



- Do not install this carrier on a vehicle unless it is stated as compatible in the vehicle compatibility list.

CAUTION

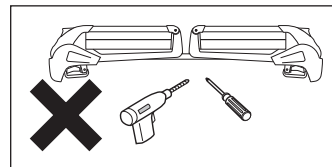
Precaution for installation position



- Always install the carrier so that it is at a right angle to the front of the vehicle.

CAUTION

Alterations Prohibited

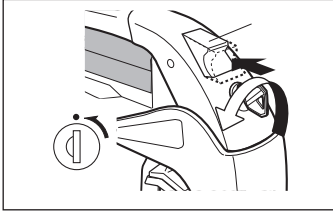


- Do not attempt to alter the carrier by drilling holes in it or bending it.

Using the Carrier

1 Open the clamp arm.

- Insert the key into the key hole, and turn it left to unlock the carrier.
- Press the button and open the clamp arm.



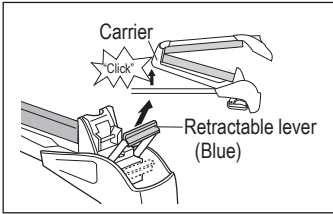
2 Adjust the carrier angle.

If you do not need to adjust the carrier angle, proceed directly to step 3.

Note

This carrier can be set and used at an angle if snowboard bindings touch the roof of the vehicle.

- To raise the angle, lift the carrier while pulling the retractable lever towards yourself, then fix it in place when you hear a "click" sound.
- To reduce the angle, support the carrier, pull out the retractable lever towards yourself, slowly lower the carrier, then fix it in place when you hear a "click" sound.



ATTENTION

- Do not adjust the angle while skis etc. are inside the clamp. Doing so may cause accidents such as trapping your hands or fingers.
- Be careful not to trap your hand or fingers when adjusting the angle.

Note

If you do not hear the "click" sound, release the retractable lever, and move the carrier up and down slightly.

3 Maximum carrying capacity

The maximum carrying capacity of this carrier is as shown below.

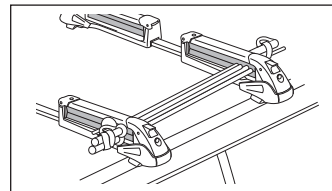
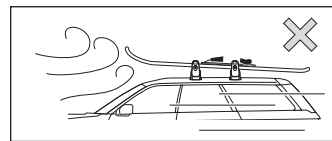
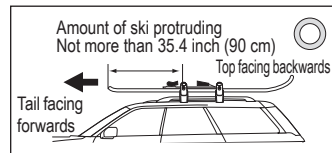
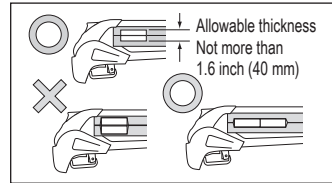
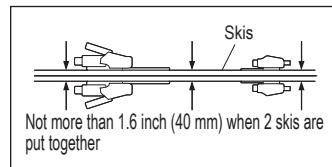
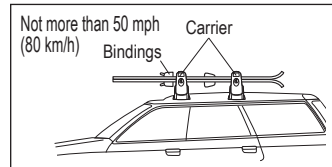
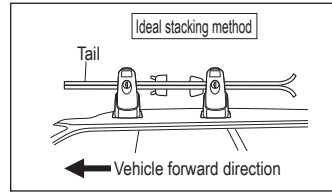
Skis only	6 sets ^{*1}
Skis x Poles	4 sets of each ^{*1}
Snowboards only	4 ^{*2}
Snowboards x Skis	2 snowboards ^{*2} x 3 sets of skis ^{*1}

Note

- *1 The number of skis that can be carried may be lower depending on the width of the skis, for example carving skis.
- *2 The number of snowboards that can be carried may be lower depending on the vehicle model and binding size.

The carrying capacity may be limited due to the relative strength or weakness of the roof rails, which differs depending on the vehicle model. Check for any additional limitations in the vehicle compatibility list in the store.

4 Load the skis/snowboards.



Loading Skis

Put the pair of skis together, and place them on the carrier so that the tail end of the skis points towards the front of the vehicle.

If the ski or snowboard bindings do not fit between the front and back carriers, arrange so that one of the bindings is to the front side of the front carrier.

In this case, do not exceed 50 mph (80 km/h).

ATTENTION

Do not load skis, snowboards, or other items in the carrier if the parts that are clamped by the carriers exceed 1.6 inch (40 mm) in thickness. Carrying such items may damage the carriers.

Instructions for loading carving skis

If there are all-in-one bindings or plates attached to the skis that prevent them from being clamped in the carrier when the skis are put together, clamp the ski separately in the carrier.

Always follow the conditions below when loading skis separately into the carrier.

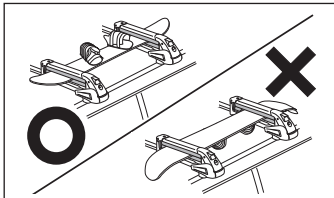
- Load the skis so that the tail points in the same direction as the vehicle.
- If the bindings will not fit in the front or back carriers, slide the skis forwards.
- Make sure that the amount of ski that protrudes from the front carrier is 35.4 inch (90 cm) or less.
- When loading skis into just one side of the carriers, make sure the difference in thickness of the skis is 0.4 inch (10 mm) or less.

CAUTION

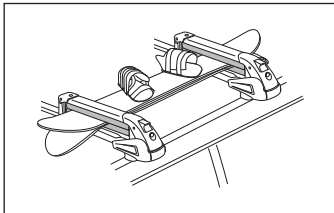
If you ignore these conditions when loading skis, the carrier or loaded items may fall while driving due to wind pressure etc.

Loading Ski Poles

When loading ski poles, wrap the pole strap around the pole and fix it in place to make sure it does not hit the roof of the vehicle.



A When loading 1 snowboard
Load the snowboard with the binding facing upwards.



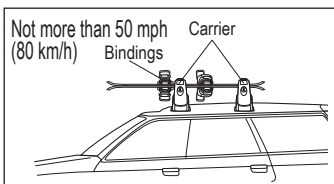
B When loading 2 snowboards
Either place the snowboards back to back and load them into one side of the carrier, or load one snowboard on each side of the carrier with all bindings facing upwards.

C When loading 3 snowboards
Place the 2 snowboards back to back and load them into one side of the carrier, and load the other snowboard onto the other side with bindings facing upwards.

D When loading 4 snowboards
Load 2 snowboards back to back on each side of the carrier.

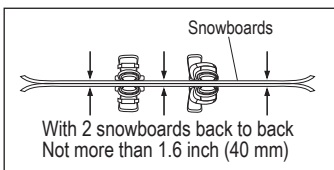
Note

When loading snowboards with the bindings facing downwards, use a belt or other such item to tie the bindings in place so that they do not touch the vehicle roof.



If the ski or snowboard bindings do not fit between the front and back carriers, arrange so that one of the bindings is to the front side of the front carrier.

In this case, do not exceed 50 mph (80 km/h).

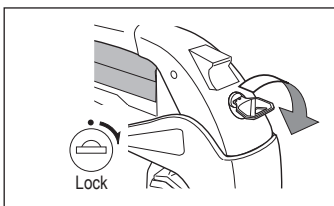


ATTENT

Do not load if the combined thickness of the two snowboards is greater than 16. inch (40 mm) at the points at which they are clamped, or if the width exceeds 11.4 inch (290 mm) at the clamping points.
Carrying such items may damage the carriers.

5 After loading the skis or snowboards, follow the procedures below to ensure safe travelling.

- ① Make sure the clamp makes a “click” sound when closing.
- ② Insert the key, turn it to the right to lock the clamp, and then remove the key.



CAUTION

When loading the carrier, make sure that the clamp arm is securely closed, and always lock the clamp.

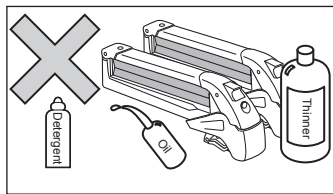
- ③ Before driving, tighten the front and rear knobs and bolts again to ensure there is no looseness.
- ④ Drive at appropriate speeds when skis and snowboards are loaded into the carrier.

Daily Maintenance

When not in use, remove the carrier from the vehicle, and store in a dry place away from direct sunlight.

If the carrier is dirty, wash it with water and allow it to dry completely.

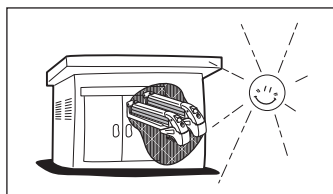
Inspect each part of the carrier for damage or faults, and make sure the carrier is repaired if you find a fault.



ATTENTION

Always follow the precautions below. Failing to do so may cause the carrier to discolor or crack.

- Do not use detergents (especially alkaline detergents) or wax on the carrier.
- Do not use thinner or other such solvents.
- Do not lubricate screws or bolts.

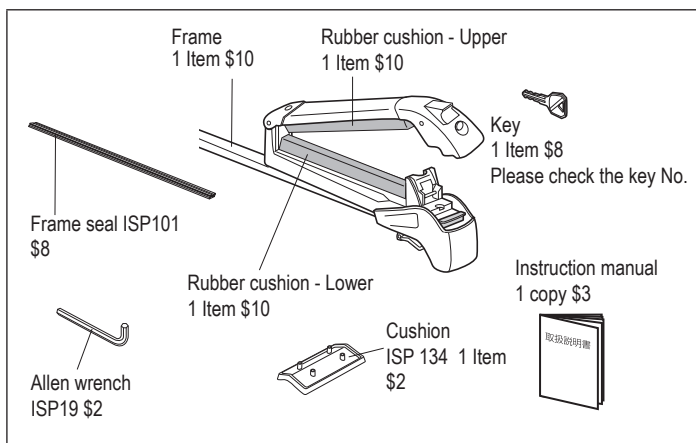


Replacement Parts Information

The following genuine INNO replacement parts are available. If you require replacement parts, make a note of the part number or part name, and order the parts from the dealer where you purchased this carrier.

Note

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



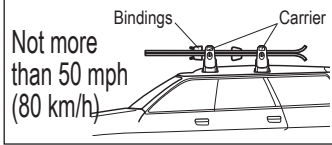
For Safe Use

CAUTION

Driving at a speed less than 80 mph (130 km/h)



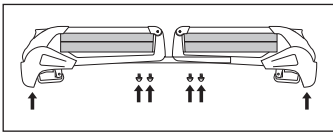
- Do not exceed a speed of 80 mph (130 km/h) when carrying ski or snowboard. And observe legal speed limit. Also, reduce your speed accordingly when driving in strong wind conditions or in bad road conditions.



- If the ski or snowboard bindings do not fit between the front and back carriers, do not exceed 50 mph (80 km/h).

CAUTION

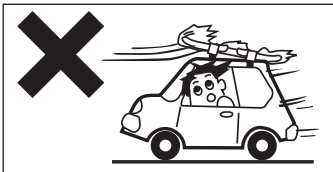
Check the additional tightness



- Before driving, with the skis/snowboards loaded correctly, and check that 8 bolts and 4 knobs on the front and back carriers are securely tightened. If any of the bolts are loose, re-tighten them.

CAUTION

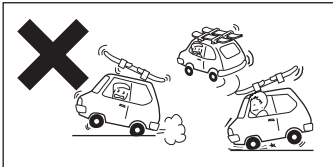
Cases or plastic storage bags prohibited



- Do not load skis or snowboards in a ski case, snowboard case, or any type of vinyl storage bags.

CAUTION

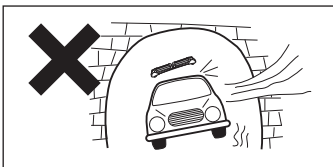
No sudden acceleration, sharp turns, or sudden braking



- Always avoid making hard starts, sharp turns, or braking suddenly. If you have to perform this type of abrupt maneuver, always check that the carrier is still installed securely immediately afterwards.

CAUTION

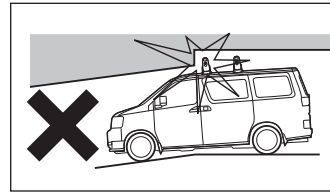
Caution: Side winds and strong gusts



- If you experience strong gusts of wind or sidewinds when exiting a tunnel or driving on a bridge, for example, find a safe place to stop the vehicle and check that the carrier is still securely installed, and that all of the bolts are still securely tightened.

ATTENTION

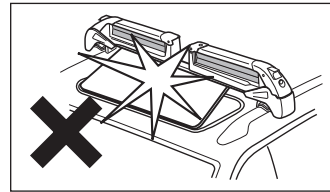
Caution: Vehicle height



- Always remember that the vehicle's height has increased when the carrier is installed.

ATTENTION

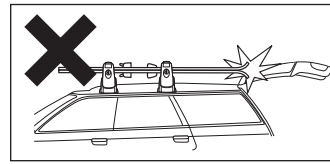
Opening of sunroofs prohibited



- Do not open and close the sunroof while the carrier is installed.

ATTENTION

Caution opening rear gate/trunk



- Always be careful that you do not hit the skis or snowboards when opening the rear gate or trunk.

ATTENTION

Use of automatic car washes prohibited



- Always remove the carrier before using an automatic car wash.

Contact

If you have any comments or suggestions, or if you require replacement parts contact our service center listed below. However, Carmate shall not be held liable for any accidents or incidental losses arising from improper installation or use, from the customer making changes to the original configuration or specifications, or from natural disasters such as typhoons.

CAR MATE USA, Inc

383 Van Ness Ave. Suite 1603

Torrance, CA 90501 U.S.A

www.innoracks.com

support@innoracks.com