

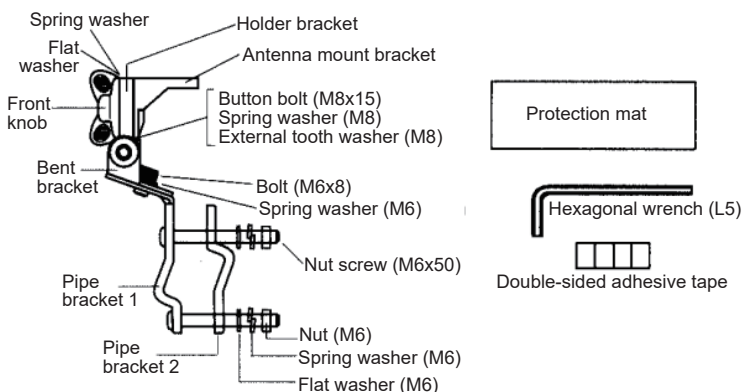
# K512

## OPERATING INSTRUCTIONS



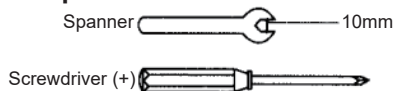
Thank you for purchasing the Diamond Antenna mount bracket. Before using, please read carefully these OPERATING INSTRUCTIONS to operate properly.  
**SAVE THESE INSTRUCTIONS.**

### • Confirm required parts



Various in-vehicle one-touch separation cable sets that are convenient for pulling into the vehicle are available. You can choose according to the required length and connector.

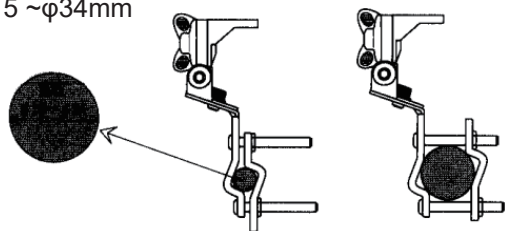
### • Tools required



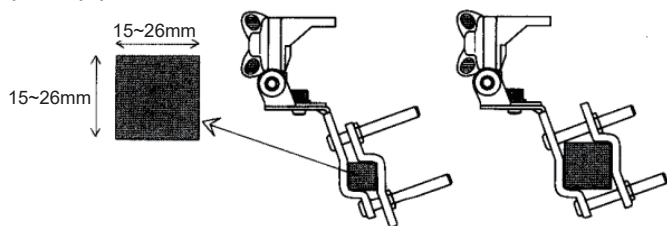
### • Mountable size of pipe and roof rail

Adjustable metal fittings can be used for various types of pipes and roof rails.

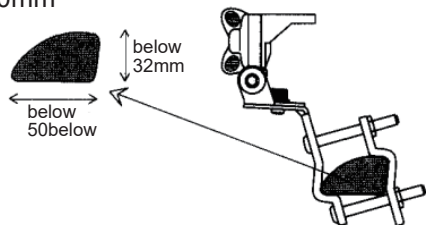
#### 1) Round pipe $\phi 15 \sim \phi 34\text{mm}$



#### 2) Square pipe one side is 15~26mm



#### 3) Rail roof cross section height below 32mm, width below 50mm

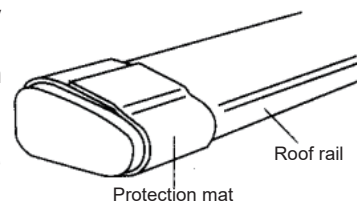


### • How to install

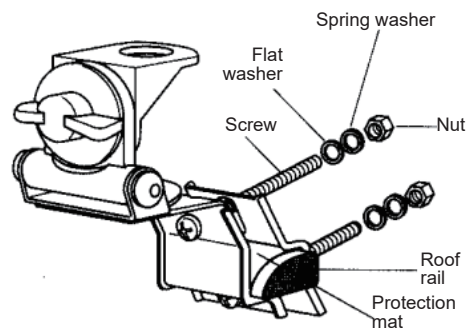
1) Decide where to install the bracket. It is recommended to install the bracket on center line side of rooftop rail, since it can prevent antenna damage from tree or obstacle along the sidewalk.



2) To protect the rail, apply double sided adhesive tape on back of protection mat and tie around installation place. It is recommended to cut the mat to fit the rail before using it.



3) Like beside diagram, fix the mount bracket onto the protection mat. Fasten the nut firmly using the wrench.

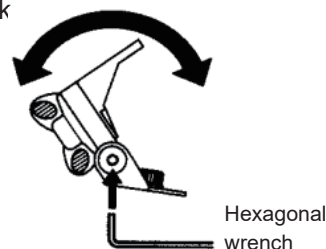


### • How to tilt angle (3-axis deflection mechanism)

Install the antenna vertically. Installation angle may affect the performance of high gain antenna. Fasten the screw and front knob tightly after adjustment.

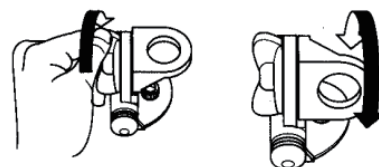
#### 1. Tilting front and back

Adjust the screw on the side using hexagonal wrench.



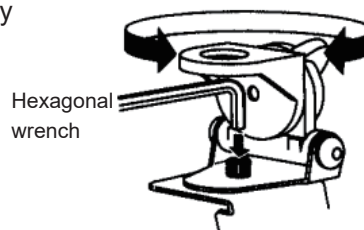
#### 2. Tilting sideway

Turn the front center knob first to loosen.



#### 3. Tilting horizontal way

Loose the screw using hexagonal wrench. Turn 360 degrees.



### • Attention

- 1) K512 is installed on roof rail so the vehicle body earth will be incomplete and the VSWR remains high. It is recommended to use Diamond Antenna radialless antenna for best performance.
- 2) Fasten the screw and front knob firmly before operation.
- 3) Recommended to use genuine Diamond Antenna coaxial cable to have the best performance.

- Though these products purchased are manufactured under strict quality control, if damage is caused by transporting, ask your dealer promptly.
- Design and specifications of these products will be changed for future improvement without advance notice.